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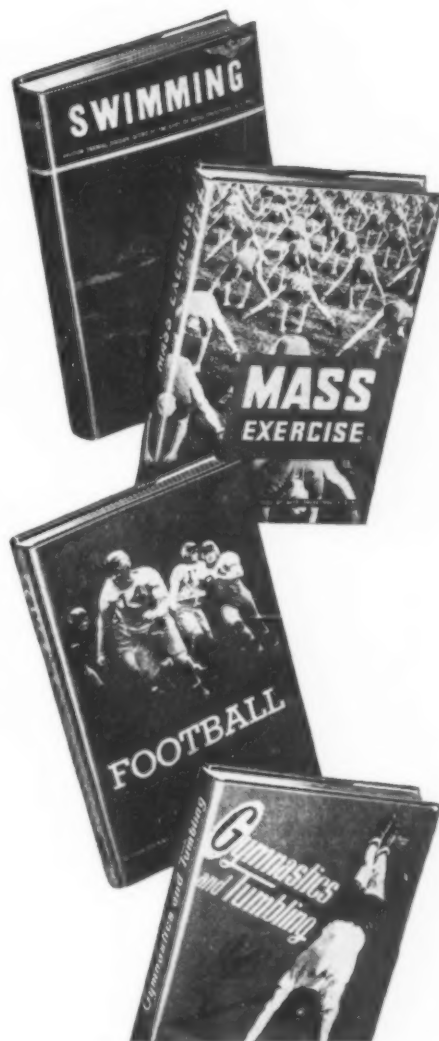
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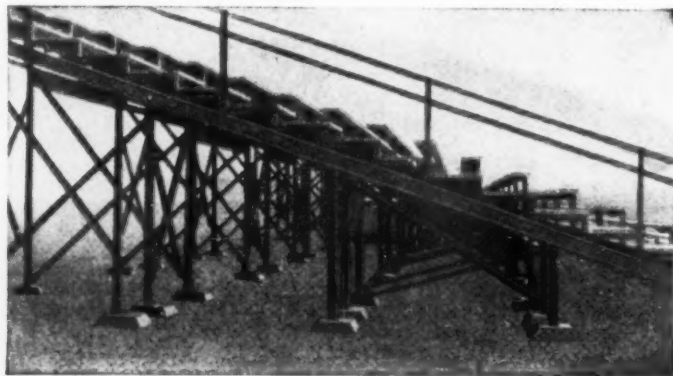
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IN THE ISSUE VOL. 15, NO. 10

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By Lt. Duke Thayer

THE T BACKS.....
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COACHING SCHOOL DIRECTORY.....

GUIDE TO SPORTING GOODS EQUIPMENT.....

Editor: OWEN REED

Assistant Editor: H. L. MASIN

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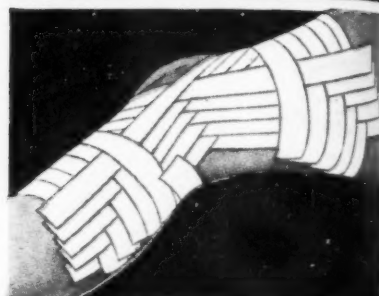
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A TRICK PLAY FOR EVERY OCCASION

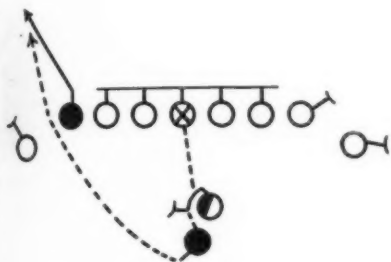
By Lt. Duke Thayer

Before enlisting in the U.S.N.R., Lt. Duke Thayer coached football at the Porterville (Calif.) Junior College.

IT WAS a warm afternoon late in the fall of 1923 and the football teams of U.S.C. and California were meeting before 89,000 spectators in a game bearing directly on the Pacific Coast Conference championship.

Midway in the last quarter U.S.C. led 7-6. California had the ball on the U.S.C. 26-yard line. A Bear substitute raced into the game and the vast crowd fell silent, except for voices here and there saying "That's Blewett. He'll place kick!"

Back in 1923, the goal posts stood on the goal line and this particular player had made a name for himself as a place-kick artist. A 26-yard placement could easily spell the difference between a 7-6 defeat or a 9-7 victory for California.



Diag. 1, Fake Placement

Blewett reported to the officials, took his position some eight yards behind center, smoothed a spot on the turf, took a couple of practice swings with his kicking foot, cleaned the grass and dirt from his cleats, tossed his helmet to one side and set himself for the pass from center.

U.S.C. drew in close, putting extra men in the line to block the kick. Then—the pass from center and the holder had the ball. Blewett stepped forward, his eyes on the turf before him.

Suddenly the ball was tossed to him. He straightened up from his crouch and threw a perfect pass to the left corner of the field. The receiver was downed on the Trojan one-yard line. California shoved over a touchdown on the next play. Blewett, ironically, kicked the extra point and the score was 13-7, California. That was the ball game.

Now let's take a short trip up to Seattle, Wash., for a play in the U.S.C.-Washington game, 1945. The

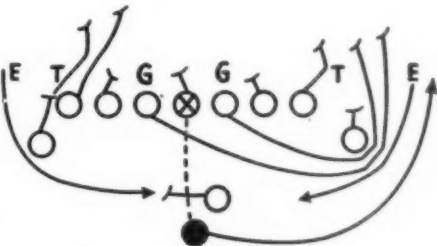
set-up is identical; the same build-up brings Washington a touchdown and victory over a favored Trojan team (Diag. 1).

U.S.C. should have learned a lesson back in 1923, but the Trojans have had three head coaches since then, and trick plays, like poor jokes, are dropped, only to turn up years later when least expected, still capable of giving certain people a pain.

The only change in execution of the 1945 play was a minor one due to a revision of the rules. As you know, in modern football a runner whose knee touches the ground is technically down. The holder is forced to squat or kneel in such a position that his knee does not contact the ground. Any subsequent play (except a place kick) is nullified.

There are two methods of circumventing this technicality. One—teach your holder to keep his knee off the ground on actual place-kicks as well as fake placements. Two—have your holder fake receiving the snap, allowing the pass to go directly to the kicker. This is done by having the holder place his hands far enough apart for the ball to pass through.

A running play around right end can also be successfully worked from the place-kick formation. The holder kneels, holds his hands up as though to receive the pass from center—and allows the ball to go through his hands directly to the pseudo-kicker, who receives the ball and then runs fairly wide around right end.



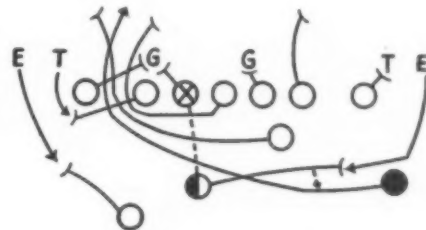
Diag. 2, Fake Placement

The defensive right end rushing in to block the kick is blocked by the holder. The play is shown in Diag. 2.

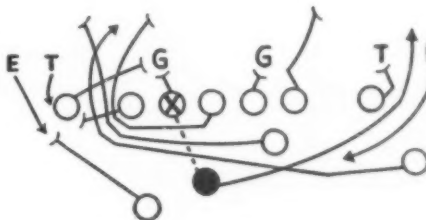
The question is frequently asked, "Why aren't more of the corny sleepers and other tricks used nowadays?" The answer is obvious.

Thirteen plays, culled over the years, that will instill a lot of respect in the defensive minds

Nearly all our modern football is run from the T formation, and the T, as used today, makes a fetish of the unexpected.



Diag. 3, Single-Wing Reverse



Diag. 4, Bootleg Play

The T attack seldom strikes at its apparent objective. It resorts to tricky ball-handling, flankers, breath-taking passes, laterals and varied open deception to such an extent that the defense is kept on its toes and ready for nearly anything throughout the entire game.

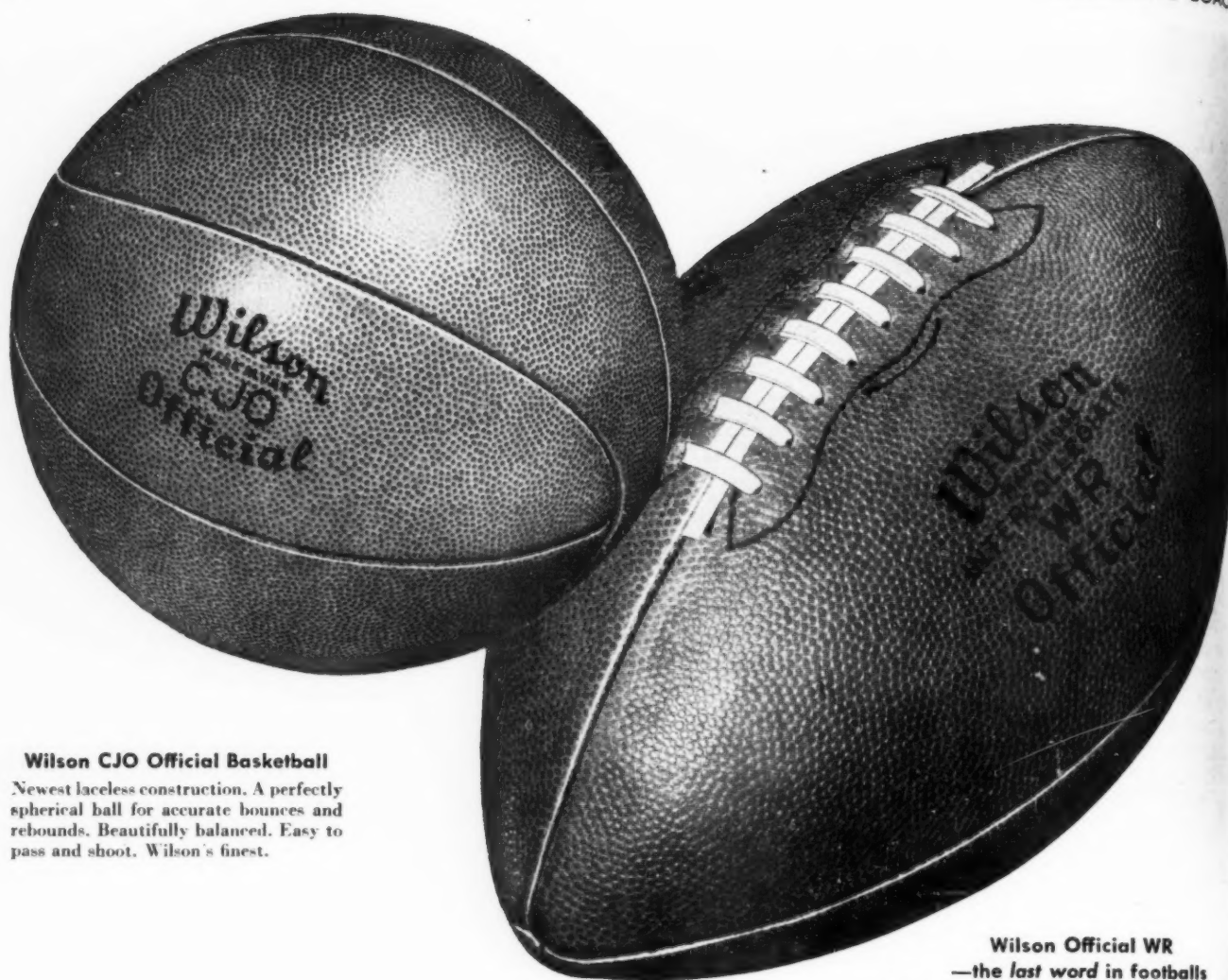
The prime "fooler" in the T repertoire is the quarterback sneak, designed to catch the defense before it is set. Another good T trick is the quick-kick, featuring a direct pass to the kicker, with the quarterback standing upright.

Coach Jimmie Phelan of St. Mary's used a quick-opening play that caught a couple of teams off guard. His quarterback, O'Connor, lined up slightly to the right of center, with hands on hips, looking back toward the other three backs—obviously waiting impatiently for them to get set. All three backs stood erect, hands on hips, Wedemeyer and Cordiero carrying on a spirited conversation.

While the defense was loafing into position (Nevada in one instance), the ball was snapped to the fourth back, Van Geisen, going naked between center and guard for a little matter of 20 yards. The build-up was very good, and the defense was lulled into a false sense of security.

There are some sections of the country that haven't seen anything but T since 1941. With many coaches

(Continued on page 20)



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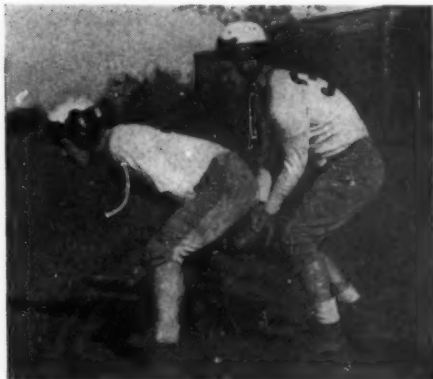
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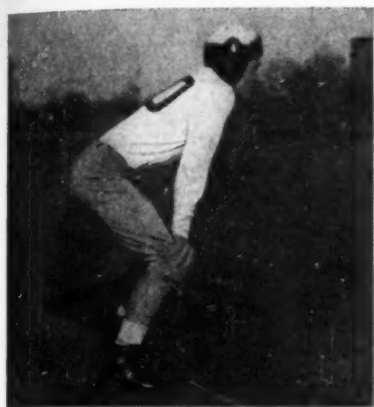
By Howie Odell



Position of center and quarter.



Delivery of ball to quarterback.



Halfback and fullback stance.

Since coming to Yale in 1942, young, personable Howie Odell has firmly established himself as one of the nation's top grid masterminds.

THERE'S nothing very mysterious about the Yale T. Like most T's, it is predicated on speed and deception. And like most T's, it has its own idiosyncracies, which I'll touch on as we go along.

Our setup is shown in the accompanying diagram. The linemen are split 16 inches apart, the quarterback is over center, and the fullback is 4 yards 1 foot back.

The halfbacks adjust to the fullback. They line up a full arm distance to the side with their heels even with his toes.

The quarterback deploys in the conventional manner. He places the back of his passing hand against the center's tail and his other hand directly below.

As you can note in the pictures, the fingers are well spread, the thumbs close together and parallel to each other, with the fingers of the bottom hand (left) pointing downward.

The feet are kept fairly well apart, with one foot slightly behind the other. While the quarter must occasionally switch feet to fit a play, for the most part he lines up with his right foot back.

His stance stresses comfort and balance. The back is fairly straight,

the head up, the weight over the balls of his feet, and the passing arm (right) practically straight.

The center works so closely with the quarterback that a paragraph or two about him will not be amiss.

The center assumes a good, comfortable, balanced stance, with the front point of the ball directly under his forehead. The legs are spread well apart, with the left foot a bit out in front. The head is up, the back straight, and the right arm fully extended.

The ball is gripped well in front with the thumb on top and the lace up and a shade to the left.

So far, this is all conventional stuff. Now look at the center's left arm. Note how far up on the thigh the elbow is resting.

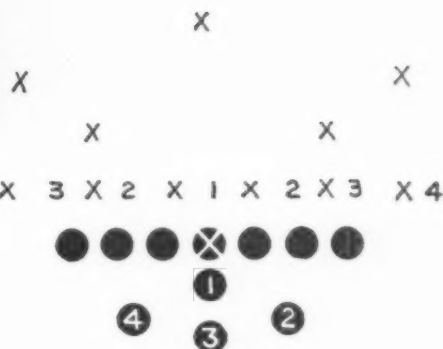
This isn't something I cooked up. My centers happened upon it themselves. Here's the whyfore—*just before passing, they reach back under their tail with their left hand and place the quarter's top hand into the most comfortable position for the pass!*

This greatly reduces the danger of poor passes and fumbles.

The center pumps the ball up and back with a straight, full-arm swing. He zips the ball back as far as he can, turning it almost completely sideward with the lace up.

This places the ball into the quarter's hands in ideal position for immediate passing. The receiver does not have to waste invaluable time fingering the ball into position.

Our quarterback uses only two pivots. He takes the ball straight



the T backs

out to the side or he pivots around on the back foot in basketball fashion.

After handing off the ball, he fakes a pass, a lateral, another handoff, or a run, depending upon the other plays in the sequence.

The fullback and the halfbacks line up with hands on knees, arms straight, feet fairly well apart, back straight, head up with eyes looking straight ahead, and the weight comfortably forward on the toes ready for a quick start.

When driving in on a quick opener, they look at the hole, not at the quarter. The responsibility for the handoff rests squarely on the quarter.

The halves drive in with their arms in proper position for the pass. The ball-carrying or *taking* arm is crooked on the far side, while the near arm is curved across the chest, ready to clamp down on the ball.

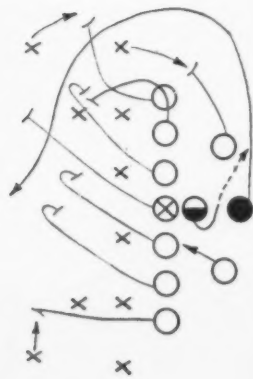
The ball is shoved deep into the taking arm close to the side.

When going in motion, the half pivots on the balls of his feet and cross-steps with the far leg in the desired direction. Upon arriving at his destination, usually just outside the defensive end, he turns squarely forward and looks ahead, jiggling his feet in boxer fashion so that he is ready to go on the snap.

Our motion man plays much in the manner of a wingback. We try to make the defense worry as much as possible about the "guy."

The action pictures and diagrams on the next three pages (8, 9 and 10)

(Concluded on page 30)



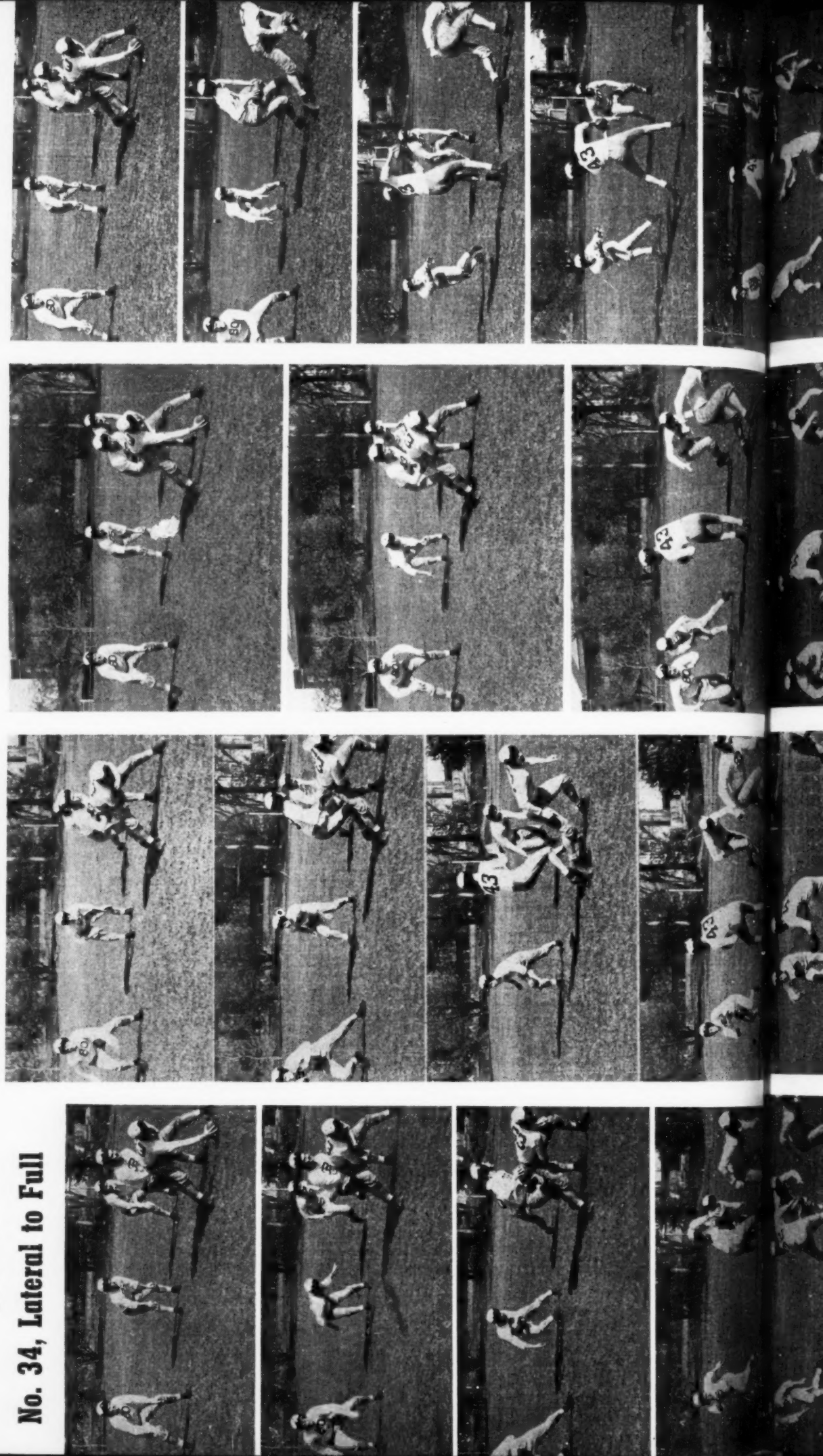
Yale's T, a 4-Play Sequence

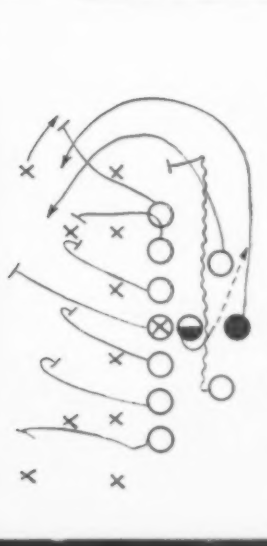
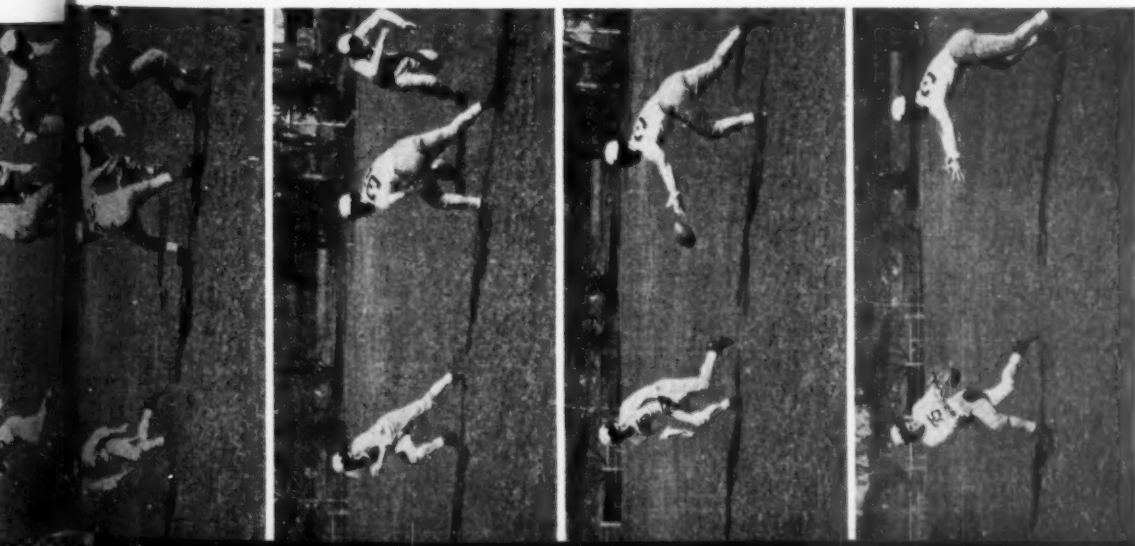
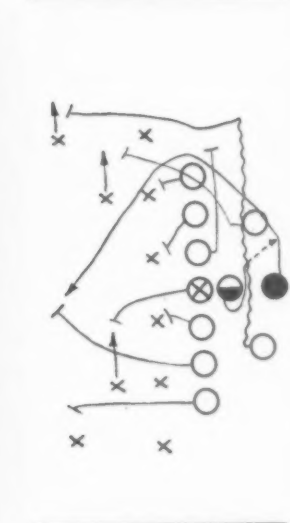
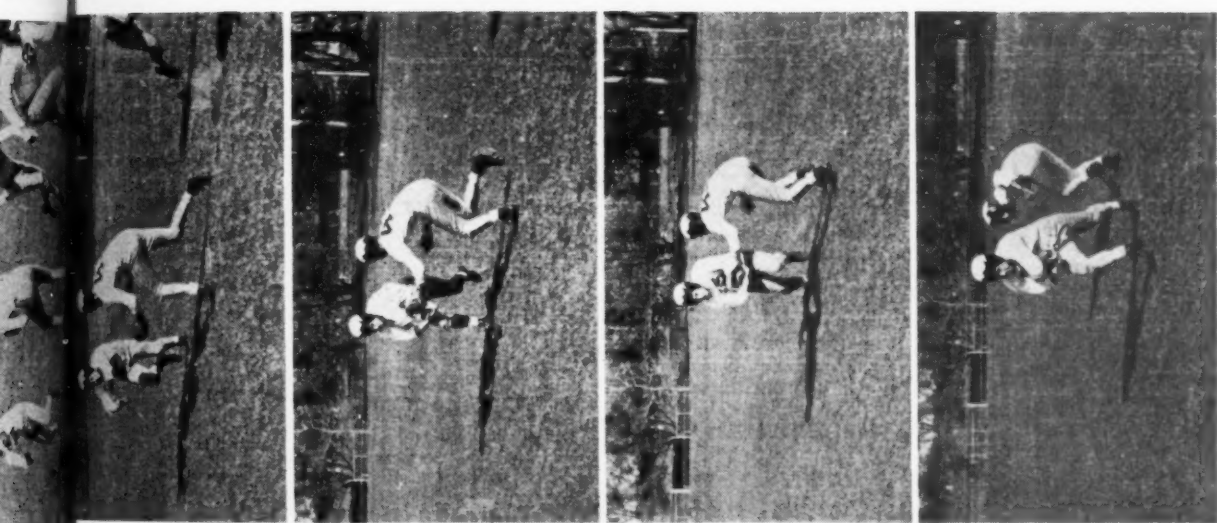
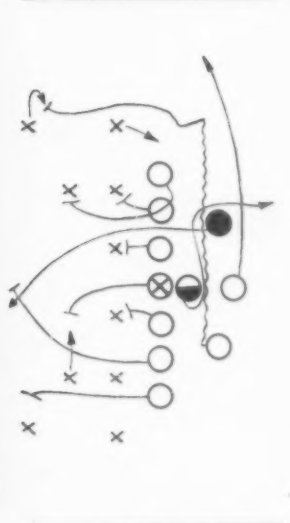
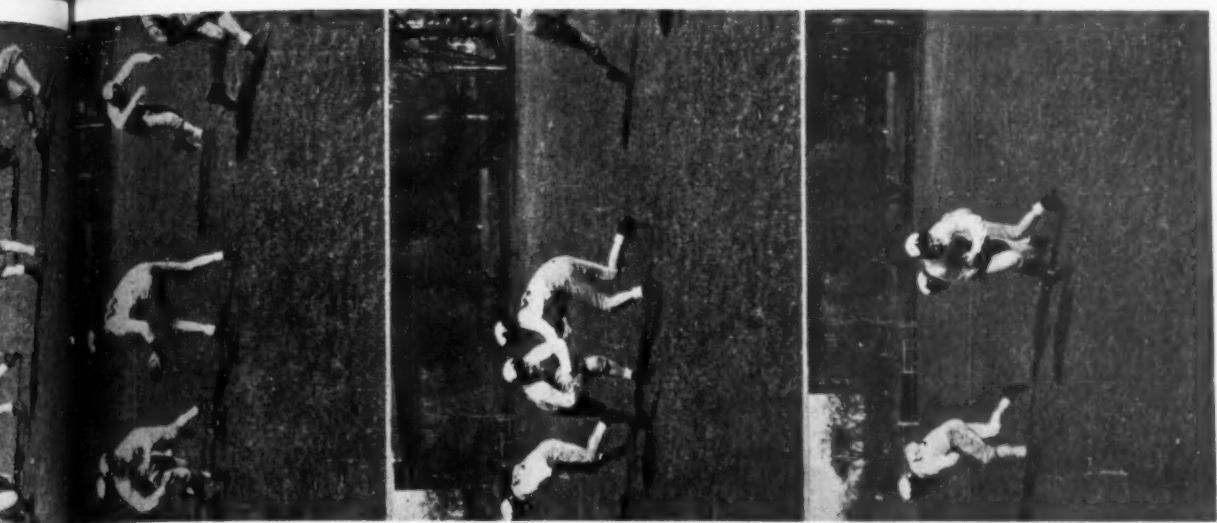
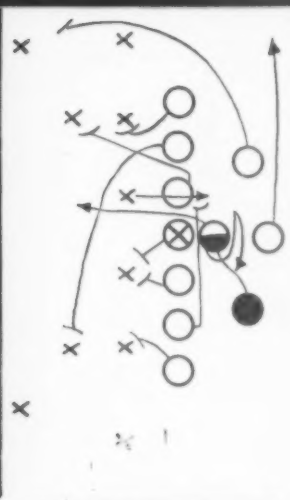
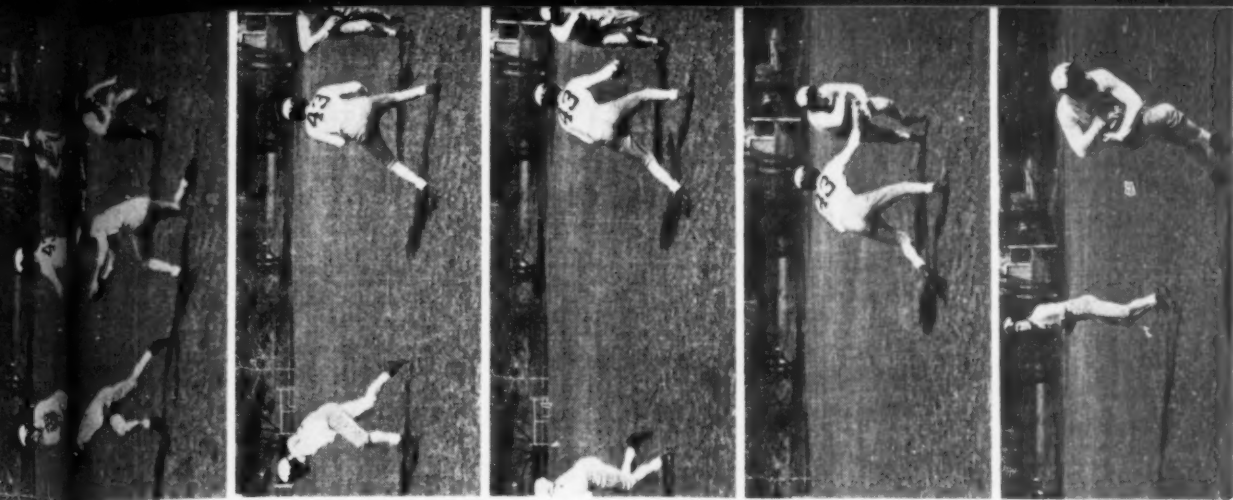
■ No. 33, Full Off Tackle

No. 22, R. H. Quickie

No. 41, Delayed Handoff

No. 34, Lateral to Full



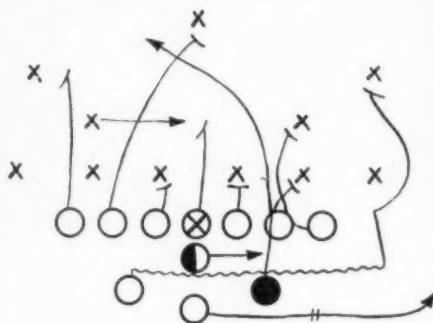


No. 134, Lateral to Full

SEQUENCE TO RIGHT

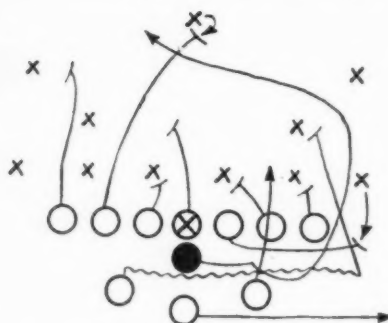
(Yale's T)

No. 222, Quickie



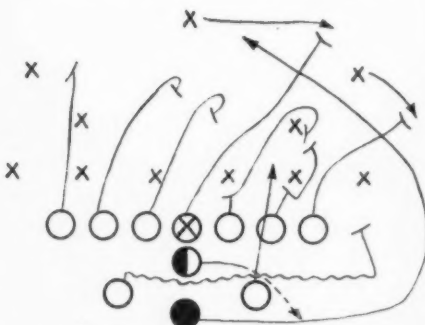
The left half in motion stops outside the end, feints at him and goes for the half. The quarter pivots on his rear foot, steps over with his left and hands ball to right half. He then fakes a lateral to full going wide.

No. 213, Quarterback Run

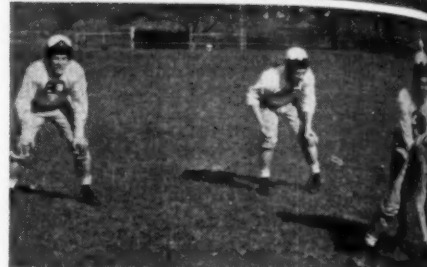
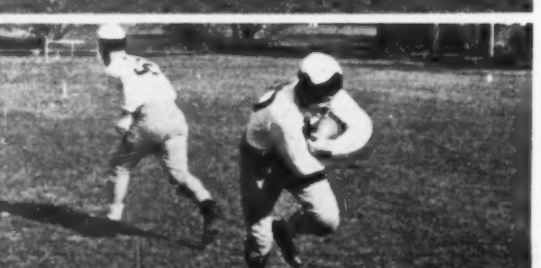
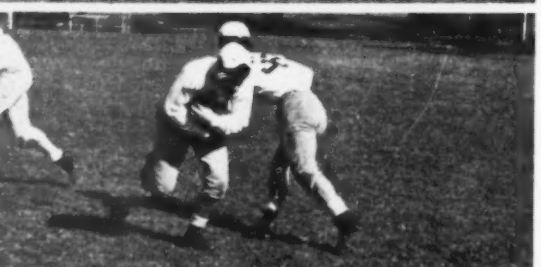
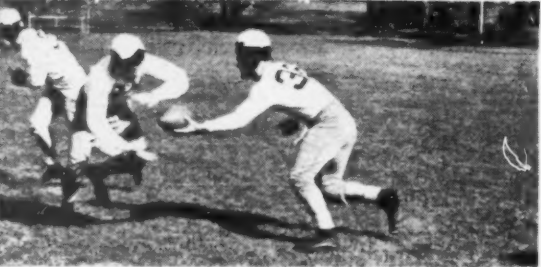
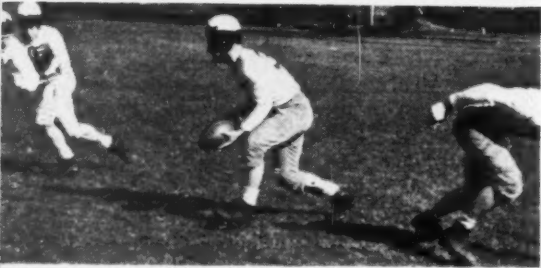
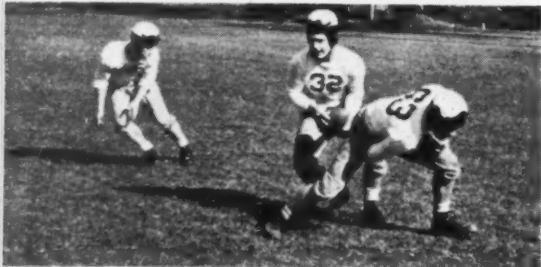
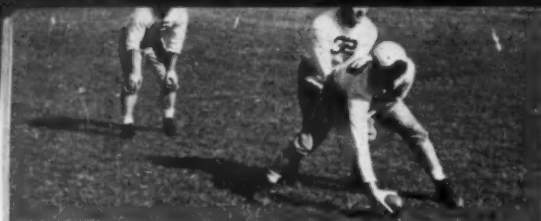


This time, the quarter fakes to the right half, keeps the ball and runs inside the defensive end, who is blocked out by the running guard.

No. 234, Lateral to Full



The quarter fakes to the right half and laterals to the full who sweeps wide around right end.



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By ED McKEEVER

After a fabulously successful partnership with Frank Leahy at Boston College and Notre Dame, Ed McKeever is now comfortably ensconced as head coach at Cornell University.

MANY coaches believe that good, solid blocking isn't essential in the T formation. Up here at Cornell, we believe it is. Good blocking is always necessary and we do all in our power to develop speed and charge.

As you may note in the accompanying pictures, our line comes out of the huddle in erect position. They line up like halfbacks—feet shoulder-width apart, back straight, head up, eyes forward, and hands on knees. Sometimes, as a change of pace, they will run a play from this erect position.

Most often, however, they go down. On the signal, they assume the regular lineman's stance. They take a good wide base with back straight, head up, weight well balanced, right hand resting lightly on

BLOCKING in the T

the ground, and the left arm resting across the thigh. The eyes are focused straight ahead to avoid giving away the direction of the play.

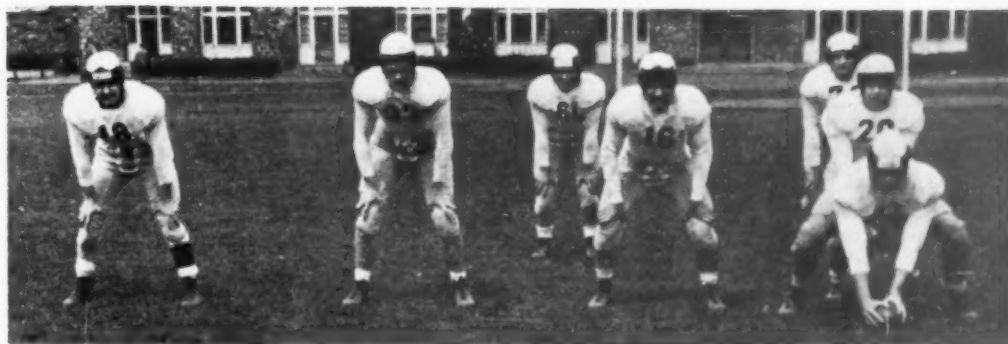
In positioning themselves, they cheat a little to obtain good blocking angles. The guards split 6 inches from the center, the tackles 8 inches from the guards, and the ends 12 inches from the tackles.

In making their blocks, the linemen always step with the foot in the direction they wish to move their man. For example, if the left guard wants to move the defensive right guard to his left, his first step will always be with his left foot.

The only exception to this rule is in posting on a double-team or pinch block. The post (inside) man makes his step with the opposite foot.

It is more important to move a man a foot laterally than a yard back. The blocker should never raise up when charging. He should stay low, with head back (rigid neck); eyes open, watching the target; knees bent; back straight, tail down; and toes straight or slightly in—never out (you lose power).

The player should always get his shoulder into the opponent's thigh and slide to the mid-section. On the initial contact, he should drive with



After leaving the huddle, the linemen take this erect stance.

everything he has and keep his feet moving with short, digging steps (8 to 10 inches).

Perhaps the two most popular types of backfield blocks are the shoulder and the reverse body.

In the shoulder block, the back starts for the opponent as he would in faking or carrying the ball. He aims for the mid-section, placing his body between the opponent and the ball-carrier.

As he approaches the opponent, he brings the hand and arm closest

back), and to keep the body squared away at all times.

The reverse body block is applied only when the defensive man comes across deep and waits. The blocker turns his shoulder and arm and drives in front of the opponent's body, while the hips and legs move forward and across the side of the opponent's near leg.

At contact, the head, blocking shoulder and arm lie across the defensive man's near leg, while the body and legs point in the general direction of the defensive team.

The blocker must always keep driving—on all fours, if necessary—in an effort to work the opponent laterally away from the runner.

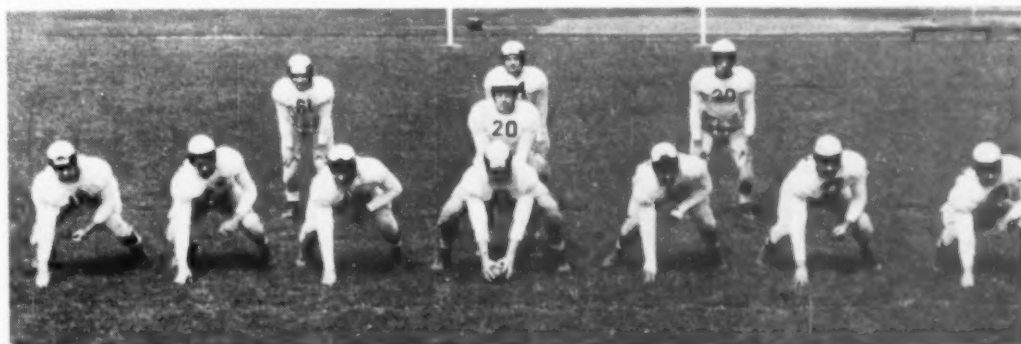
Each lineman is required to start off the afternoon with a charging exercise. They get down on hands and knees, then dig the feet up underneath the body with short, driving steps as fast and as hard as possible.

The linemen are instructed each day in practice to lunge out to meet their opponents. They then take a step and drive into the opponent.

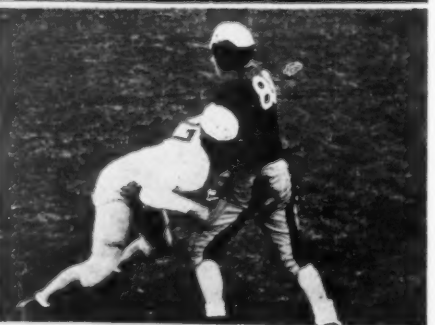
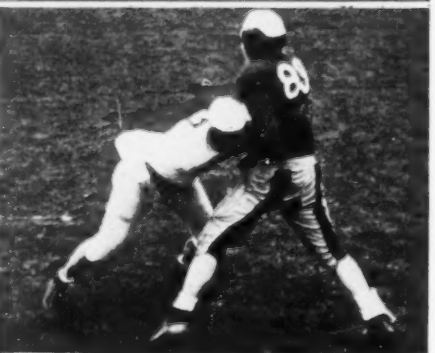
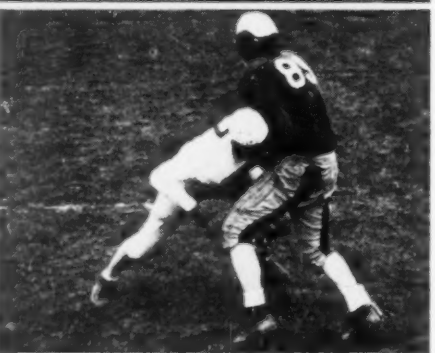
As a final gesture, they just run through the opponent with short steps and drive as hard as possible with their shoulders.

In downfield blocking, the men leading the play concentrate on their assignments and block high to keep the opponents off balance. They never look back to see if the ball-carrier is following them.

The Cornell blocking is illustrated on pages 12, 13, 14, 18.



At the signal, the linemen drop into a regular crouch stance.



Left: Man-for-Man Block

SINCE the blocker wants to take the opponent in, he starts with his left foot. He drives hard into the opponent's mid-section, then slides slightly upward. The head is shot to the inside and the shoulder is driven into the opponent with a hard upward and inward thrust.

Contact is nicely established. The blocker's feet are in complete control, his head is up, the tail down, and the back straight.

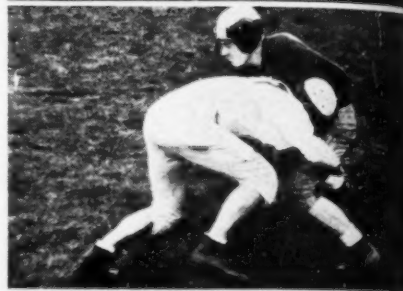
Note how the blocker uses his legs to turn the opponent laterally. The body is kept straight and in constant contact with the "victim."

Right: Pass Protection

THE offensive player makes the defensive man "show" first, then goes into a shoulder block. The hand and arm closest to the opponent come up with a driving motion with the blocker establishing contact at the mid-section.

After the initial contact, the blocker slides up on his man, and tries to keep him away from the alley provided for the passer.

The blocker stays in front of the opponent as much as possible, keeping on top of him with constant leg drive. The hips are low, the knees bent and the head up.



Left: Open Field Block

THE blocker comes into fair position, ducks under the opponent's arms and shoots for the mid-section, driving from his left leg. He hurls himself across the man's body, completely blocking his approach.

When the initial contact fails to knock the opponent off balance, the blocker drops to all fours and follows through nicely with the body and feet, maintaining an excellent spread.

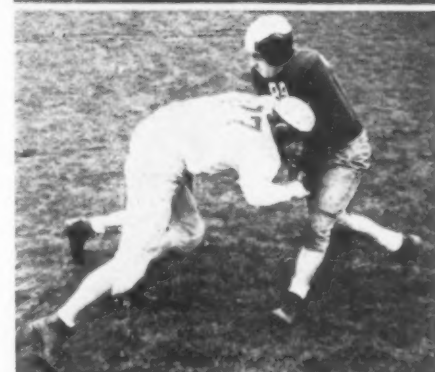
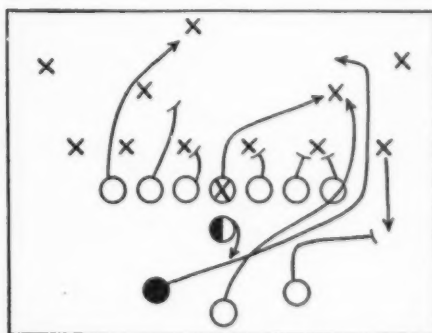
Note how the left hip is thrust into the opponent and how the left leg and shoulder pinch him securely. The vigorous follow up drops the opponent, removing him completely from the play.

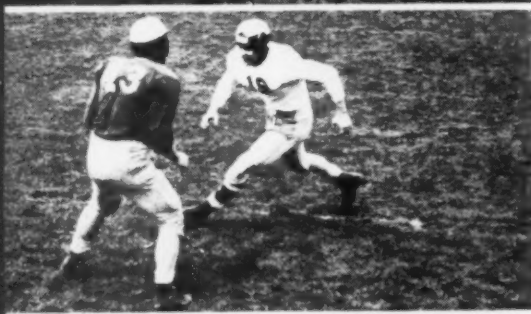
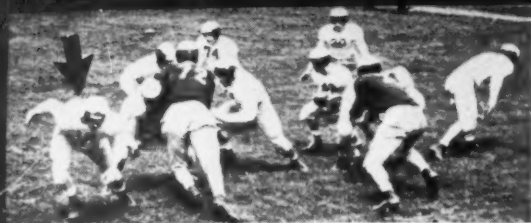
Right: Double Team

BOTH men start with their inside foot. The inside man shoots for the crotch and keeps driving to kill the opponent's momentum.

The outside blocker does the turning, forcing the man away from the hole. The opponent is moved laterally, rather than backward, with both blockers applying strong shoulder and leg action.

The blockers would have done well to use shorter, digging steps on their charge.

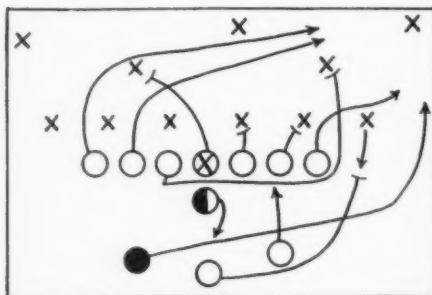




Left: End on Halfback

AT the snap in this end run, the right end takes two steps beyond the scrimmage line and then goes after the half in the same way a pulling guard would take a line backer.

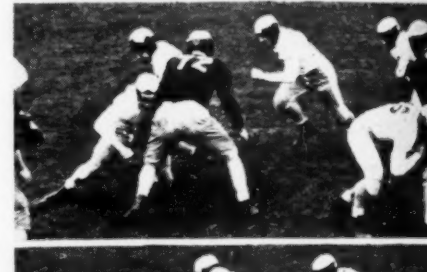
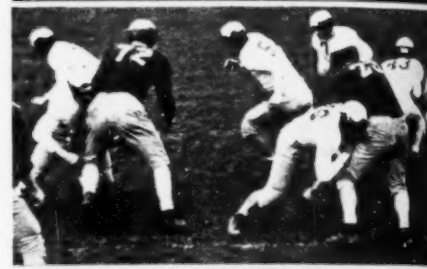
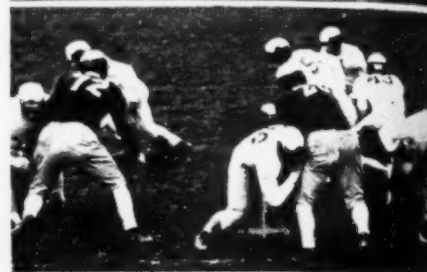
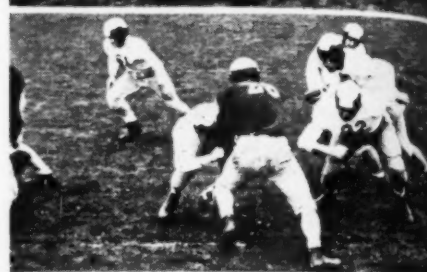
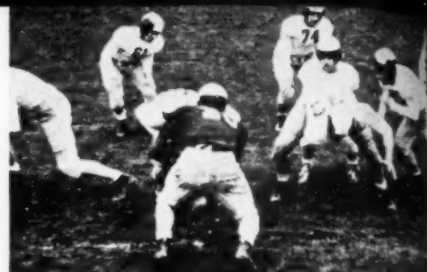
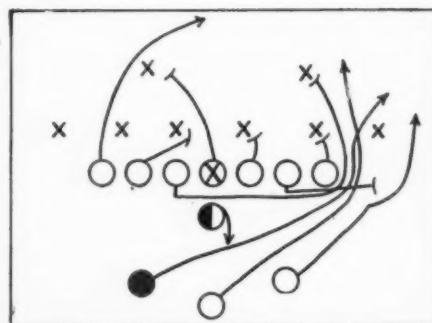
He shoots his head to the outside, drives his shoulder into the opponent's mid-section and, keeping his head up, drives the half in with short, digging steps. If the half is pulling up fast, this play sets up a fake run and pass.



Right: Off-Tackle Play

NOTE how the linemen start with the foot closest to the direction in which they want to go. That means the pulling (left) guard starts with his right foot; the right guard steps in with his left; while the right tackle crosses over with his right foot.

The pulling guard and the center hit the line backers, placing their bodies between the opponents and the ball-carrier.



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Larry MacPhail inspects new Yankee Stadium floodlight

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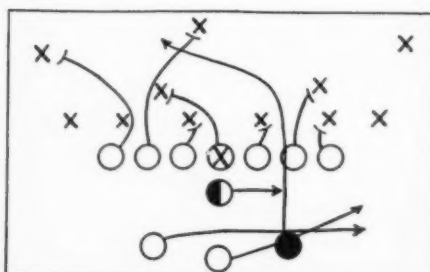


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Left: Quick Opener

ON the snap, the right guard steps with his right foot, shoots his head toward the hole and swings his man to the inside, keeping his body straight and moving his man with leg drive. As he continues driving with short, digging steps, his head could be up a little more.

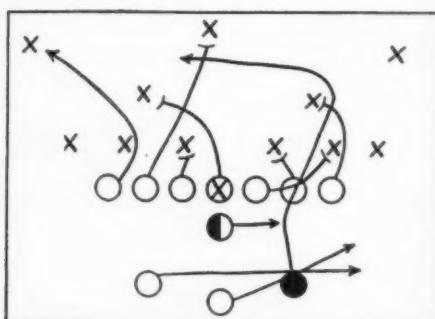
The right tackle comes out to take the line backer, swinging his arms to pick up momentum. The right end starts with his left foot and shoots his head toward the hole. His contact could be improved upon—his base is too wide.



Right: Cross-Blocking

IN this blocking variation in the quick opener, the tackle starts after the defensive guard with his left foot. The offensive guard's initial step is with the right foot and he crosses behind his tackle to block the defensive tackle.

To make this cross-block effective, the ball-carrier takes a short jab step so that he hits the hole just as the blocks are consummated.



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A Trick Play for Every Occasion

(Continued from page 5)

returning from the service, a rejuvenation of the single wing, double wing, Notre Dame box and short punt may be anticipated.

As a consequence, we may see a resumption of the old Statue-of-Liberty play, the quick kick, fake kick, fake pass, bootleg plays and other old favorites for confusing and embarrassing the defense.

The single wing, short punt, box and double wing are all ideal for the bootleg play—where a reverse is used three, four or five times—until the defensive end has thoroughly caught on to the play and decides he can catch the reverse from the rear and become a hero.

After committing himself, he discovers he has been hoaxed. The play that started and continued exactly like the reverse has turned out to be a naked run by the original ball-handler. This play works exceptionally well during the early high school season, and has also deceived innumerable college ends.

The success of the bootleg hinges on the original ball-handler. If he sees the defensive end is about to give chase to the reversing back, he can fake the reverse pass and, retaining the ball, go for yardage himself (Diags. 3 and 4).

A "sleeper" is any member of the offensive team who, without the knowledge of the defensive team, takes an extremely wide flanker or end position for the purpose of receiving a deep side-line pass.

The T formation with its numerous flankers has made the sleeper impractical, since the defensive team keeps a fairly close watch on the offensive flanks and sidelines. Also, a missing man in the T set-up is immediately noticeable. However, it should be relatively simple to lay out a sleeper on wide runs and kickoff plays, the sleeper, of course, laying out on the side away from the direction of play.

One of the finest positions on the field for a sleeper is directly in front of the opposing bench. The clamor and confusion on the bench screen the lone sleeper effectively.

If the sleeper is discovered by the bench, an alert team captain may call the attention of the referee to wholesale coaching from the sideline!

The sleeper is often looked upon as slightly unsportsmanlike, but many coaches will contend that all's fair in love and war—and football. In addition, the points scored on a

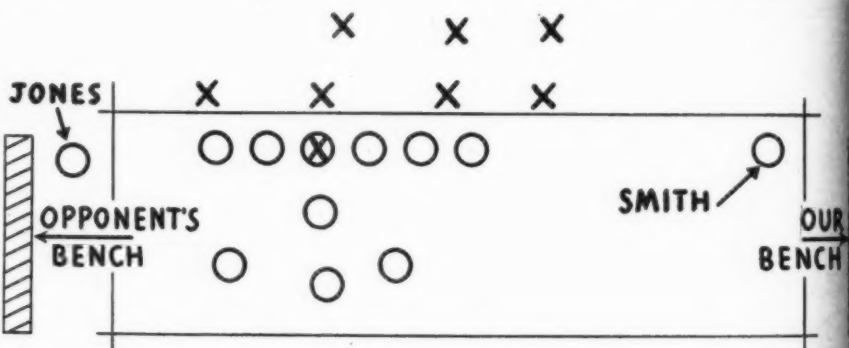
sleeper have exactly the same value as those scored by more orthodox means, and are frequently much more satisfying.

The injury method offers another good way to lay out a sleeper. A man is injured and is removed from the game. In the milling around that usually accompanies a substitution, the defensive team will seldom notice an offensive player aiding the injured man off the field. Especially if a blanket is used to wrap the injured man—and the player assisting him from the field.

At the sideline, the injured man steps off the field and you have a perfectly good offensive player waiting just inside the field for a sleeper pass. The injured man must be helped across the sideline slightly behind the line of scrimmage, so the sleeper will be onside.

Very few defensive captains will notice the sleeper, or take time to count offensive noses. It is particularly effective when used down near the goal line, but may be used anywhere on the field with excellent possibility of a long gain or a touchdown.

The defense against this play is to refuse to allow play to be resumed until all unauthorized persons are cleared off the field and all opposing players are accounted for. The referee will often inadvertently aid in your deception by calling for play to begin before the field is clear.



Diag. 5, Sleeper Ruse on Substitution

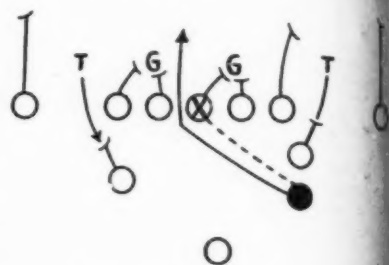
Another devious but efficient way to spring a sleeper into the clear is for a substitute to enter the game when the ball is in your possession on the far side of the field.

How does it work? Easy. The substitute comes in to replace Jones. A third man, Smith, who is a good pass receiver, but not known to the defensive team, grumbles and protests about being taken out and trots reluctantly toward the bench,

as though he were actually preparing to leave the game.

At the same time, Jones makes his way unobtrusively to the sideline and as play is about to be resumed he steps off the field, making the substitution legal and leaving Smith in a good position to go down under a pass (Diag. 5).

It is very embarrassing for the defensive team to be caught napping by a sleeper—no pun intended—but it is much more embarrassing for the offensive team to have a sleeper on the sideline and not know it. It has happened.



Diag. 6, Full Over Center

The best safeguard against an occurrence of this kind is mutual checking by each member of your team. Each man will check in the huddle to see that the correct players are on each side of him. As soon as a player is discovered to be missing, the word "sleeper" is passed. Your quarterback should call an alternative play in the event the sleeper is discovered by the defensive team.

Very few teams are using the fake punt from punt formation. This play is very deceptive in

third down, three or four to go situation. If the defense sets up for a punt, you may run or pass. If they set up a run or pass defense, you may kick. In either event, they are up against a tough situation and the element of uncertainty is all in your favor.

Many teams on fourth down with one or two to go, line up in regular offensive formation, thus advertising

(Concluded on page 22)

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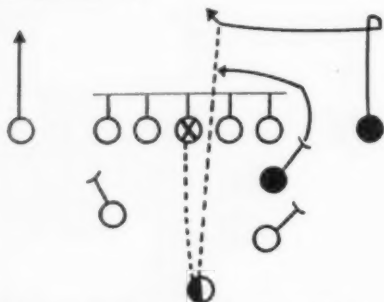
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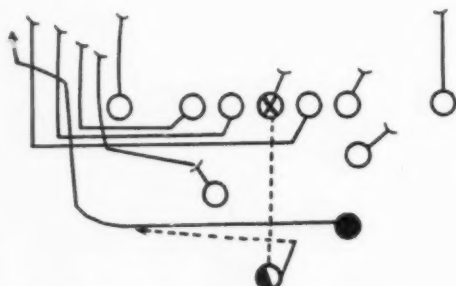
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ing they are going to gamble on making the necessary yards.

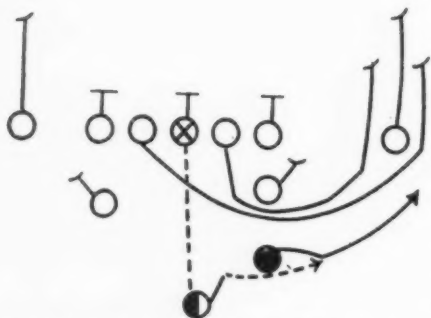
Isn't it smarter to go into a punt formation and slam the fullback over center (Diag. 6)? Or, if you really want to gamble, lay a spot pass 15 or 20 yards down the middle (Diag. 7)?



DIAG. 7, Fake Punt Deep Pass Down-field. The pseudo kicker may pass to the end or whip the ball to the close blocker going back down the middle.



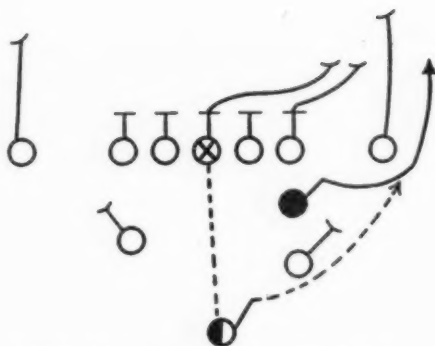
DIAG. 8, Fake Punt Screen Pass. The screen forms on or slightly behind the line of scrimmage. The "kicker" actually goes through the motion of punting (takes his steps), before passing to the deep blocker on his left.



DIAG. 9, Fake Punt. As the "kicker" takes his steps, the deep blocker delays for two counts, then cuts back and out for a two-hand overhead push-pass.

There are also screen pass (Diag. 8) and flat pass (Diags. 9 and 10) plays that will pay off when the defense is confidently expecting a punt.

Diag. 11 outlines a variation of the Statue-of-Liberty play from punt formation. The "kicker" takes his kicking steps and actually pretends to kick, but instead holds the ball back and out to the right. The runner pivots outward, then runs behind the "kicker," takes the ball and continues around end.



DIAG. 10, Fake Punt, Flat Pass to Right. The close blocker fakes a block on the defensive left tackle, then runs wide for a pass. The guards may check as shown, or pull as in Diag. 9.

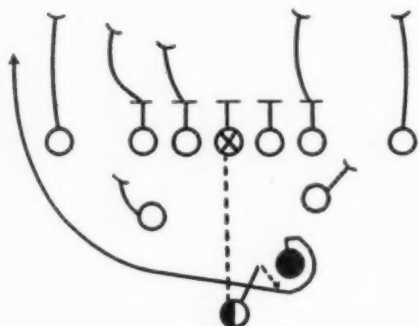
One of the best ground-gaining plays in football is the quick-kick. Extra minutes spent coaching a boy in the art of kicking a low rolling ball will pay dividends during the game, particularly if he is taught to "kick it where they ain't," or to aim for the sideline.

Several good books are available on the art of kicking. The coach who studies the subject will decide, correctly, that controlled kicking isn't as difficult to teach as might be imagined.

The quick kick from the T has already been described. The quarterback may raise his hands or simply step aside before the ball is snapped. There are two variations of the quick-kick from the single wing (Diags. 12 and 13), both effective, which may be adapted to the double wing and box formations.

The "1-2-3" count shown in the diagrams refers to the count used by the kicker when backing up in preparation for the kick.

The kicker steps backward on his left foot at count of "1," his right foot on count of "2," and again on his left foot on "3." The ball is snapped on "2" or "3," and the kicker is in a position to take one step forward with his left foot and kick. This is the "rocker" and with

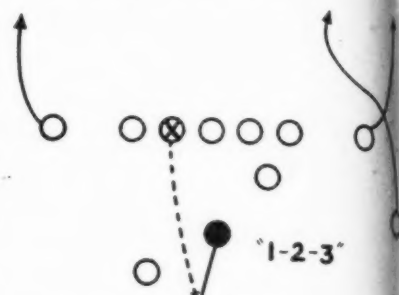


DIAG. 11, Fake Punt Naked Sweep Around End. The tailback fakes a punt and holds ball behind him to right. The deep blocker comes around, takes the ball and races around end.

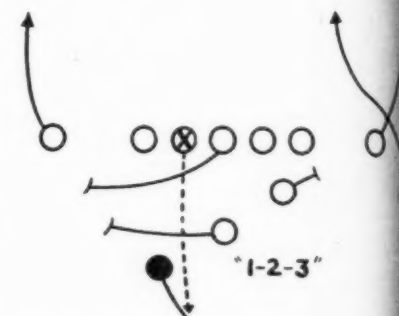
a little practice any kicker can perfect it.

The kicker who must have two steps before kicking can go through the same count, then lift the right foot slightly off the ground as the ball is received. He then plants his right foot on the ground (the "step") takes a step with his left foot and kicks. This method is as fast as the 3-count and is more comfortable for some kickers.

For a kicker who is very fast, the 1-count can be used, that is, he merely steps back on his left foot as he receives the ball, then forward with the same foot and kicks.



DIAG. 12, Quick Kick from single wing with fullback kicking. The numbers represent a 1-2-3 count backwards, starting with the left foot. Note the ends going wide and the wingback down the middle.



DIAG. 13, Quick Kick from single wing with tailback kicking. The fullback may cross over rapidly to avoid interfering with the pass back. The alternative is to pull the strong-side guard, as shown, but it is not safe.

Plays and tricks designed to outwit the defensive team, if successful, will add inestimably to the esprit de corps of a team. If not successful, they at least instill a little doubt and a lot of respect in the defensive minds, and add considerable color to the game.

It should be remembered that trick plays by themselves hardly make an offense. But, when worked in with the regular attack, add the element of surprise, and keep the defense honest.

The boys, of course, love 'em. Even if they don't work, the plays stimulate the boys' interest and keep them "alive."



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on any field!*



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New Film

WEST POINT CHAMPIONSHIP FOOTBALL. Demonstrated by the West Point (Army) team. Five reels. 16mm. sound. Produced by Association Films (Y.M.C.A. Motion Picture Bureau). \$150.

HOW would you like to have Doc Blanchard, Glenn Davis, Arnold Tucker, Jack Green, and the other super Army howitzers give you a hand with your coaching?

They're all at your service—in this terrific football training film. West Point Championship Football isn't a glorified collection of newsreel shots. The film was made expressly for visual education purposes.

It has everything—passing, line plunging, blocking, tackling, kicking, ball-handling, offensive and defensive plays from all the various formations. An excellent narration identifies the plays and players, and the action demonstrated.

Specifically, here is the ground covered:

- **Fundamentals of offense:** Exercises, stances, blocking, ball-handling.
- **Passing:** Types of pass and protection, receiving, defense.
- **Kicking:** Receiving ball from center, steps, protection, technique, place kicking, drop kicking, punting.
- **Fundamentals of defense:** Tackling, line formations, fundamentals, end tackle, guard, work of line as a unit, secondary defense.
- **Offensive formations and plays:** Single wing, T, double wing, punt formations.
- **Defensive formations:** 6-2-2-1, 6-3-2, 7-1-2-1, 7-2-2, and 5-3-2-1.

All these techniques are run through in normal speed and then repeated in slow motion, just in case you didn't get it the first time. Live opposition is offered in the plays. The blocking you see is truly out of this world.

You see Blanchard hitting the line, Davis flying around end, Tucker handling the ball, the savage blocking in the line and downfield, the various blocks and fundamentals performed by individuals, grass drills—everything you can think of in coaching.

This mass of technical instruction comes in five 16mm. sound reels, each with a running time of approximately 10 minutes. The whole shootin' match costs \$150, and it's cheap at the price. If you order before July 1, you get a 10% discount (a \$15 deposit assures you a copy).

The impact this film will have on your players is incalculable. If for any reason you are not satisfied with it, your deposit will be refunded upon returning the film immediately.

"WEST POINT Championship Football"

A Series of Five, 16mm sound, Instructional FILMS on FUNDAMENTALS OF FOOTBALL

running time approximately 10 minutes each

Out of West Point's Michie Stadium comes an outstanding series of instructional films on the game of football. Produced with the assistance of notable football experts, the films show the U. S. Military Academy ARMY TEAM, considered by many the greatest football eleven of all time, in an exclusive demonstration of the fundamentals of football. Its first two teams, with their great All-American stars, Blanchard, Davis, Green, and featuring the brilliant generalship of quarterback Tucker, took time out from their heavy schedule to make the production of these films possible. They are now available to the coach of every high school and college.



Presented by Association Films (YMCA Motion Picture Bureau) and American Institute of Motion Pictures.

"WEST POINT CHAMPIONSHIP FOOTBALL" is a series of five integrated instructional films. Each film demonstrates specific phases of the game, with every play aptly interpreted by narration. It covers fundamentals of offense and defense; functions of the back-field, tackle, guard, and end; ball handling, passing, receiving, kicking, secondary defense, formations, plays, and conditioning exercises. Slow motion, stop motion, and optical effects serve to clarify assignment and execution of plays.



Imagine the players of your team watching Blanchard demonstrate how to crash through the line . . . Davis shooting a forward pass into the end zone! Consider the effectiveness of this instructional and incentive aid in bringing your team to championship form!

The cost of this series of five films is \$150
10% discount with advance payment of \$15, if ordered by July 1st, 1946,
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ELEMENTS OF A SCHOOLBOY TRAINING PROGRAM

By Frank Cavanaugh

Frank "Doc" Cavanaugh, trainer at Cornell University, is one of the most distinguished figures in the world of tape, liniment and sun lamps.

THE prevention and care of injuries is a vital factor in the promotion of a safe and sane athletic program. Every man charged with the responsibility of coaching should have a good working knowledge of training techniques.

Many men believe a program of injury control is expensive and involves considerable time. This isn't necessarily true. And even if it were, the program would be entirely justified.

Training room items

At an outlay of no more than \$125, you can install a very satisfactory first-aid or training room. Broken down, the initial cost includes:

1. A massage table (which any local carpenter can build for you).
2. A first-aid cabinet which can be built or bought for about \$15.
3. An infra-red therapeutic lamp, with stand, at \$15.
4. A container for ice (inexpensive).
5. Essentials: a gallon of rubber solvent for removing tape, \$2.50; a pound of analgesic (warm), \$1.50; a gallon of rub-down liniment, \$3.25; a foot tub with solution for control of athlete's foot, \$6.50.
6. From your physician, the necessary antiseptics for abrasions, etc., namely, mercesin, metaphen—whichever he likes best.
7. A pair of bandage scissors, 7¼ in. length, at \$2.
8. Adhesive tape, preferably in 1½ and 2 in. widths; purchase as much as you'll need for the season at \$2.10 per roll.
9. Ankle roller bandage for insurance against ankle sprains, 2¼ by 92 in. with strings, a half gross for \$12.
10. A wire water tray at \$2.75, and 500 paper cups at \$1.75. (The old, dirty, unsanitary team drinking bottle is definitely passe.)
11. A half gallon of skin-hardening compound for use on tender feet in the early season, \$4.
12. A completely equipped training kit at \$15.

On the day of the game, keep the

following items separately on the bench in charge of the trainer:

1. Water tray.
2. Training kit.
3. Powdered rosin (for wet days).
4. Ice container (important for bruises).
5. Extra shoulder pads, thigh guards, hip pads, shoe laces, head gears, jerseys, and pants.
6. A blanket to cover injured players.

Closely allied with the prevention of injuries is a good conditioning program.

Diet. You can't run an automobile on poor fuel. Neither can you work an athlete on a poorly balanced diet. Every boy needs the proper foods in the proper amounts for growth, energy and the repair of tissue.

The athlete should be advised to eat three regular meals (breakfast, lunch and dinner) at regular times. A good breakfast may consist of fruit juice, a cereal such as corn flakes, bran flakes or oatmeal, scrambled or boiled eggs, toast (preferably whole wheat), and a beverage (milk or postum).

Some coaches have the crackpot idea that milk is injurious to the athlete. I violently disagree. I tell the boys to drink all the milk they want; as long as they drink it slowly and don't gulp it down.

Persona non grata

Insofar as the other meals are concerned, avoid all fried foods as well as highly seasoned delicacies such as pickles, ketchup, etc.—all of which are tough to digest.

The boy should eat all the green vegetables possible and good, lean meat. Pork is not recommended.

If the athlete is hungry in the evening, he can drink a glass of milk or eat a dish of cereal with fruit. The idea is to keep the meals well balanced.

The boys should eat enough food, but not too much. It is better to leave the table feeling slightly hungry, rather than stuffed. Many a good prospect has eaten himself right off the team.

There should be no eating between meals, and I don't have to tell you that alcohol and tobacco are taboo. Any time a boy wants something to drink, he can have a

malted milk, a fruit juice, a glass of plain milk, or water.

Of great importance to the health of the body is regular bowel movements. Boys troubled with constipation should get immediate treatment.

Sleep is essential to a growing, active boy. He should get a minimum of nine hours every night. If possible, he should retire two hours before midnight. Every hour of sleep you get before midnight is worth two after midnight. Make sure the sleeping chamber is quiet and well ventilated.

Pre-season conditioning. During the summer, it will behoove the football player to prepare his body for the tough regimen that lies ahead. A good exercise program (in the afternoon or evening) can strengthen the vital joints—wrist, elbow, shoulder, knee, ankle, and neck. These are the shock absorbers in football.

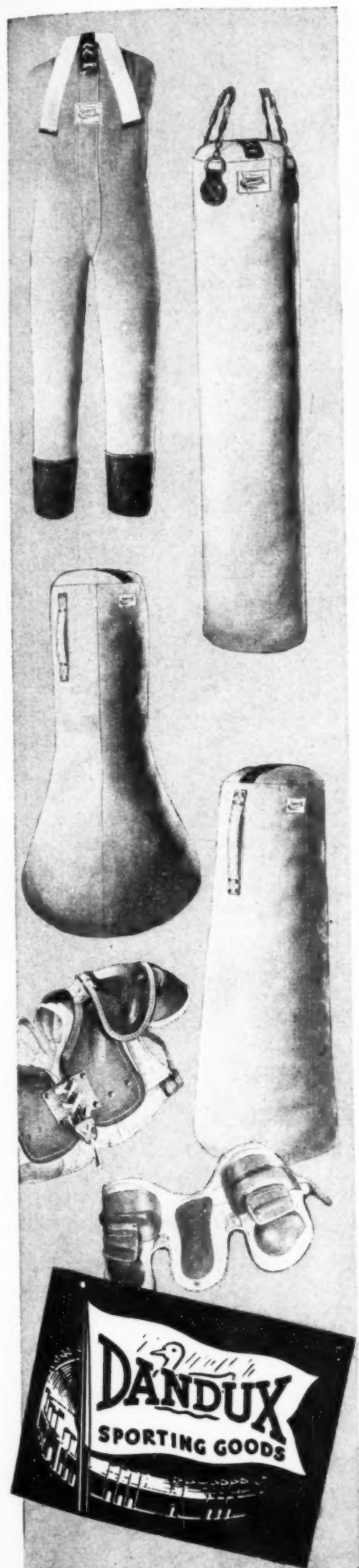
Execution of exercises

The exercises should be executed slowly. In strengthening the muscles around the knee joint, for example, the boy should do slow knee bends up and down. In working on the neck muscles, he should do neck bridges forward and back. Slow push ups do wonders for the arms and shoulders.

The following grass drills have superlative value as body builders. In between some of the exercises the boy should get up and do some vigorous running.

1. Front dive with forward rolls.
2. Back rolls.
3. Full knee bends.
4. Lying flat on the ground with arms and legs fully extended, rock back and forth on the stomach.
5. Push-ups.
6. Lying prone on the ground with arms close to the body, roll along the ground.
7. From the attention position, fall straight forward, absorbing the shock of the fall with the arms.
8. With the legs spread, do some vigorous trunk-bending exercises.
9. Crawl along the ground turtle fashion.
10. Bridge the neck as in wrestling, both front and back.
11. From a regular football

(Concluded on page 30)

Index removed

DANDUX..

that's IT!

DANDUX football equipment has been enthusiastically welcomed by players, and athletic directors of leading schools throughout the nation. The fine quality . . . strong construction (but light weight) . . . smart appearance and protective features of DANDUX shoulder pads are winning a place for them on many "first teams". Now is the time to see your local sporting goods dealer for complete information about these shoulder pads and the many other high quality items in the DANDUX line.

Ready for delivery in time for the 1946 football season are . . . DANDUX shoulder pads . . . tackling dummies . . . blocking dummies . . . hip pads . . . bucking straps . . . duffel bags.



Send for the 1946 DANDUX CATALOG. The complete line of Dandux Sporting Goods is fully described and illustrated. Also contains list prices. Send for it TODAY!

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**A NEW
ANKLE-WRAP
ECONOMICAL
STRONG
EASY TO APPLY
ABOVE ALL—
EFFICIENT!**

Materials Needed: One-half length 3" Ace Bandage No. 8 (with Lastex*) for figure-of-8 wraps about ankle and foot. Four pieces of 1½" adhesive tape.

Procedure: After ankle is wrapped snugly with the Ace Bandage, apply two pieces of 1½" tape, superimposed. Start on ridge of arch, passing beneath the foot on the inside, pull up tightly on the outside and carry over in front of outer ankle bone to a point approximately 4" above inner ankle bone. The other two adhesive strips, superimposed, are also started from ridge of arch and applied in exactly the opposite manner. This will give strong support without the cast-like rigidity which frequently transfers shock from ankle to knee, sometimes causing severe injuries that put players on the sidelines for a long period.

*Reg. U.S. Pat. Off.

ACE BANDAGES

*Sold Through Sporting Goods
Dealers and Drug Stores*

BECTON, DICKINSON & CO.
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Elements of a Schoolboy Training Program

(Continued from page 26)

stance, practice on quick starts.

Since football is a game of quick starts, the athlete should stress a lot of wind sprints. These wind sprints should be short, 15 to 20 yards, and should be frequently supplemented with 300-yard runs.

The boy should pay attention to his running form, with particular emphasis on a good body lean, a vigorous push of the arms, and a lift and push action with the legs.

A good football player should always be able to run 400 yards at good speed. During the training season, he should disdain the use of an automobile and do all the walking he can.

Last, but not least, of the coach-trainer's duties is the maintenance of good morale. Boys who work hard, live cleanly, stay cheerful, and respect their coach—usually have great morale. Their respect must be earned, and the coach should never forget it.

The wise coach keeps a sharp eye on the mental attitude of his squad. One troublemaker can sink a dreamboat. At the same time, the coach should encourage the boys to come to him with their academic or personal problems.

A few good slogans in the locker room ("Keep in Shape," "The Team That Won't Be Beaten Can't Be Beaten," "Don't Be Left by the Wayside," etc.) go a long way in creating good fellowship and a winning spirit.

Causes of grid injuries

In general, the causes of football injuries may be grouped into four classifications:

1. Poor physical condition and lack of knowledge of the fundamentals.
2. Faulty practice or game equipment, poor playing area and lack of training room facilities or equipment in case of injury.
3. The coach—his type of practice and his stress on fundamentals.
4. The pure accidents that no one can do anything about.

Why are some athletes so susceptible to sprains, dislocations, fractures and concussions, while others, equally exposed, go through season after season without a scratch?

Part of the answer lies in the susceptibility of the individual, which varies with the structure and

strength of the various tissues and organs.

Another factor is the natural knack some have of protecting themselves. Without being taught, they ease a collision by giving with the impact and swiftly and effectively tucking in their arms, legs and head.

Others accept the full force of a charging body, sprawling over the field, all arms, legs and angles. Most younger boys fall in this category. Gangling adolescents, they are quite clumsy in their coordinations and, therefore, more susceptible to injuries.

A great deal of this clumsiness can be eliminated with the aid of proper coaching and training, and the improved coordinations that come with maturity.

The T Backs

(Continued from page 7)

show two of our favorite play sequences. When the defense starts shifting to meet these plays, we run a play to the weakened position.

Our regular sequences are numbered with two digits. When we put something extra into a play, we add an extra digit for identification purposes.

For example, our regular 34 play becomes 134 when we put the left half in motion to take the defensive left end.

The accompanying plays are outlined exactly as we use 'em. We run them with or without men in motion. These shifting men make the play look different, and give our offense a more massive appearance. It all adds to their effectiveness and to the confusion of the defense.

We don't use much faking in the backfield. In the fakes we do use, the feet are kept stationary. Our full or half pivots from the waist, ducks his body in the faked direction and comes back.

As you can see in the accompanying plays, we go in a lot for "peel backs." That is, our linemen let in the defense, charge beyond them and peel back, forming a wall for the ball-carrier. As the defense comes back, our peelers take 'em—keeping the alley clear.

Turn to pages 7, 8, 9 and 10 for action pictures of the author's T formation.

Scoring with NOKONA!



NOKONA

Trade Mark Registered

Nokona goes over for another touchdown! With additional know-how gained during the war supplying Uncle Sam's fighting men with athletic leather goods, Nokona equipment is reaching a new high in postwar quality—piling up extra points through a winning combination of fine materials, expert design, skilled workmanship and service. Many famous coaches and players are saying, "It pays to know Nokona!"



Watch for the New
NOKONA WINDOW
DISPLAYS

NOKONA Leather Goods Co.

NOKONA TEXAS





Drawn by K. C. T. Lippert

Did he fall or was he boffed? That was the burning question in Brooklyn last month. Mr. John Christian, a beefy pillar of local culture, claimed Mr. Leo Durocher hung one on his jaw with a blunt instrument. Mr. Durocher, that coy purveyor of sweetness and light, said heavens forbid! He merely remonstrated with the hirsute heckler, who took flight and probably slipped. Whether Mr. Christian was bludgeoned or whether he slipped on a wet postage stamp, he wound up with a broken jaw that bedded him for six weeks.

Mr. Christian took Mr. Durocher to court. And the stage was set for an awesome demonstration of Dodger loyalty. Three dozen Brooklyn citizens refused to accept jury duty! They couldn't be impartial, they claimed. They were congenitally incapable of convicting a Dodger for anything. "The Dodgers, may they always be right; but they're our Dodgers, right or wrong." Even Mr. Durocher—that bum.

After much scrounging around, the magistrate uncovered 12 reasonably unbiased Brooklynites, and the trial was on. The genteel Mr. Durocher explained that Mr. Christian made his sensitive Dodgers extremely nervous with his bull-throated comments from the stand. On the day in question, Mr. Durocher continued. Curt Davis. "an elderly man, now 45," was pitching. Now Mr. Davis is an extremely calm person, who never shows emotion and almost never talks. Yet Mr. Davis was visibly shaken on account of Mr. Christian's heckling.

This profoundly impressed the jury. Mr. Durocher was acquitted. The court room went wild. The judge made a speech extolling Mr. Durocher, the national pastime, Brooklyn, and serutan. The following day it was discovered that Mr. Curt Davis couldn't possibly have been rattled by Mr. Christian's

heckling—Mr. Davis hadn't even been in the lineup that day!

In a recent baseball game between Greenwood and Harrington high schools (Delaware), Harrington was leading 2-1 going into the sixth inning. With two out, Greenwood exploded with the fury of an atom bomb. The boys banged out ten consecutive hits, everybody scored once—and that was the ball game, 10-2. Coach Philip A. Wright wants to know if that's a record.

Coaches' Corner

In Russia, comrades, sportswriters cannot hit below the belt—or they're fired. That's what happened to Vadim Siniavsky, crack Moscow sports scribe. His blast at the English for their reception of the Moscow Dynamo football team last November was deemed unsportsmanlike—so he is now looking for a job. (But he still has his head, the lucky stiff.)

Tovarich Siniavsky claimed the English welcome was "without music and flowers." That the barracks where the Russian team was quartered had mold on the walls, cobwebs and hard bolsters instead of pillows. That Mr. Allison, secretary of the English team, "fainted because he had bet a large sum on the match and had lost."

When confronted with this sterling piece of literature, Mr. Allison restrainedly commented: "I was much nearer fainting when I read that article than throughout my association with the Dynamos."

"While leafing through my husband's copy of *Scholastic Coach* (April)," writes Mrs. Peter C. Bennett, of Avalon, Pa., "the article 'On the Right Track' by George Eastment amazed me. Right there on page 18 appeared to be a picture of my husband when he was a crack high jumper on Coach Carl Olson's University of Pittsburgh track team.

"Ever since the time I met him I've clipped and pasted pictures for my future grandchildren's amusement. The jumper on page 18 is using his style of jumping—the barrel roll—has his body build, and the P on his shirt could be part of the Pitt which glorified his college sweater from 1935-39, and which now decorates his chest whenever he pushes our mower over the lawn.

"Was the picture really Pete? I'm sure he would be the proudest man in Western Pa. if he knew he again rated a picture in the greatest scholastic magazine of all."

Thanks for your sweet note, Mrs. Pete. We turned our files upside down looking for an identifying note. But all we can tell you was that the picture was taken at the U. of Penn Relays in '37 or '38. So it could very easily be Pete.

A little late, but none the less welcome, is The Boys' Latin School's record-claim of eight passes on one play (football). It happened in the Varsity-Alumni six-man game last October. Boys' sent along a diagram of the play, which we promptly turned over to the FBI for decoding. We haven't seen so many puzzling hieroglyphics since our last peak at a kindergarten blackboard.

Incidentally, when it comes to top-drawer press relations, you've got to hand it to Boys'. The Baltimore school maintains a very neat mimeographed press-release service.

Add Nos. 9 and 10 to the list of high

DESIGNERS AND
MANUFACTURERS
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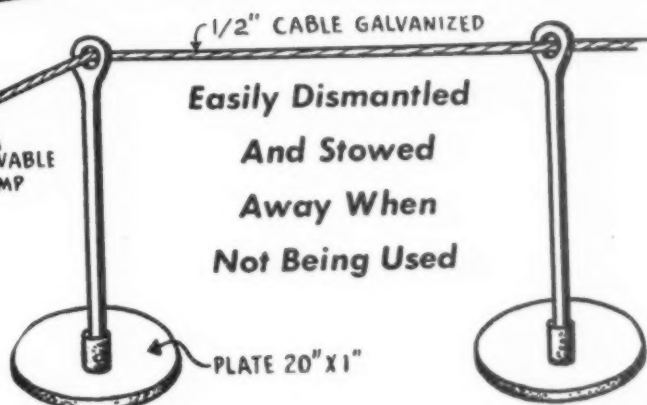


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SIMPLE AND INEXPENSIVE WAY OF KEEPING FANS OFF THE PLAYING FIELD



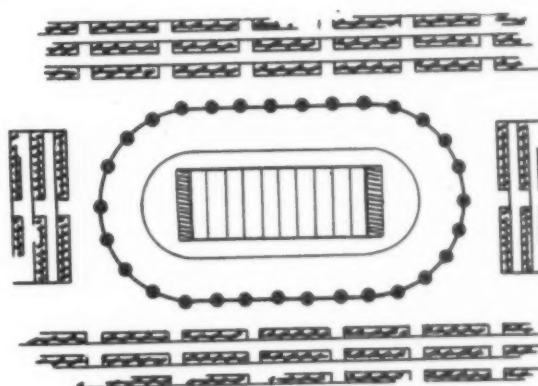
Here's a simple, practical, inexpensive way to keep your sports fans off the playing field—to prevent them from interfering with the action and to save wear and tear on the field. When not in use, this simple restraining apparatus is easily dismantled and stowed away.



1/2" CABLE GALVANIZED

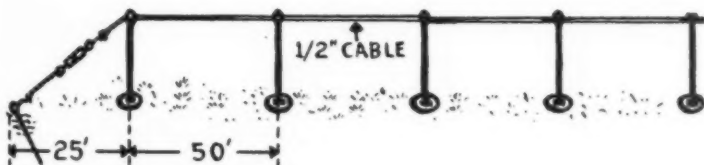
Easily Dismantled
And Stowed
Away When
Not Being Used

PLATE 20" X 1"



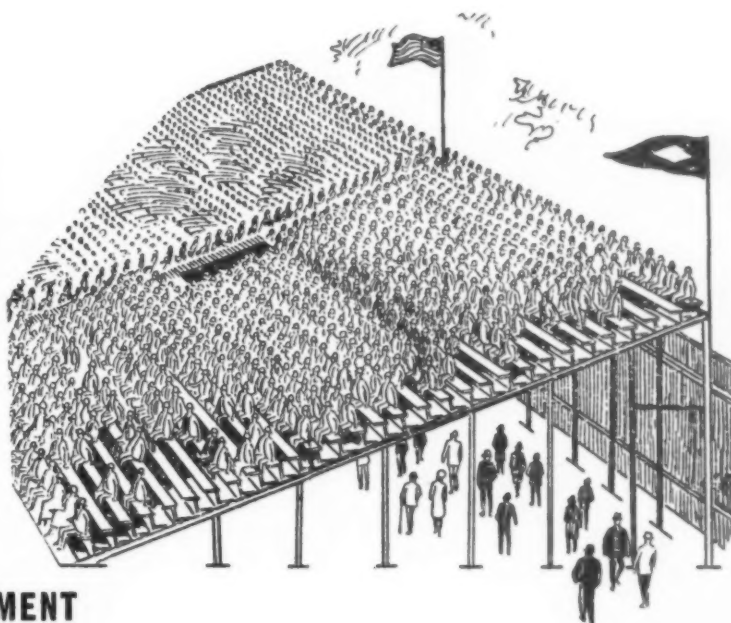
The stanchions are made up of 1" plate x 20" dia. and the rods welded to the plate are 36" high and have holes in them to take care of the 1/2" cable and should be spaced approx 50' apart on the field. Spikes to be inserted in the ground are about 24" lg. 3/4" Turnbuckles are used to tighten up the wire after it is in place.

A restraining device that saves wear and tear on your field; keeps the crowds off the area; leaves the field free for action.



Every Williams Grandstand is absolutely safe, practical and economical. In both the portable and permanent units, there is sufficient room between rows to permit free leg room. The rise between seatboards provides ample and unobstructed visibility. Every Williams Grandstand is constructed to hold four times the given load. There has never been an accident due to faulty construction! With proper care, Williams Stands will last as long as any modern school plant.

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A fast team needs a fast, safe floor . . . a floor that permits split-second shifting with assurance of slip-proof safety underfoot. Every coach knows that mastermind strategy can be gummed up by mental hazards of unsafe floors. Give your team the confidence for lightning-fast play that results from PYRA-SEAL slip-proof safety.

PYRA-SEAL Treatment Protects Floors...and Team

PYRA-SEAL treated floors are as tough as they are beautiful—as safe as they are fast. PYRA-SEAL forms a hard, lustrous seal of protection, giving a durable non-slip finish that can stand tremendous punishment from active feet. Will not chip or crack, and is impervious to acids, alkalis, alcohol, ink, hot or cold water. The perfect answer to your gymnasium floor protection problems.

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BETHANY COLLEGE (Bethany, W. Va.)

offers new coaching opportunities for the eastern mentors interested in studying the difference between the single wing and the T formation

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Two outstanding exponents of the rival plans

Tuition \$15. Room and Board \$10 each ★ Reservations should be accompanied by tuition

JOHN KNIGHT, BETHANY COLLEGE, BETHANY, W. VA.

For complete information on all coaching schools (dates, staffs, courses, tuition), refer to the Coaching School Directory on page 46.

school coaches who've been "swiped" by the colleges: Alden J. Danks, head grid tutor at Milton (Pa.) High, and John A. Hoch, his line assistant. Both men have been signed by the Bloomsburg State Teachers College.

Outstanding Danks' productions were the unbeaten, untied 1939 (306 points to opponents' 6) and 1945 (326 points to opponents' 39) powerhouses. Four other clubs (1935-38-41-42) sustained but one defeat. Milton products who made good in a big way include Jack Hinkle, Philadelphia Eagle all-pro-league halfback in 1943-44, and Tom Miller, right end of the Washington Redskins.

From Nevada, Mo., Coach Orville Gregory tells us he read our April *Here Below* with interest, particularly the item about Stan Woodward's invention of the double-quarterback T. "I, too, have worked with the double-quarter T. I first used it in 1942 at Macon, Mo." After serving in the Tunney program in '43, Coach Gregory took up at Nevada High and has been using the double-quarter T since—with very good results.

He finds it very deceptive, and that it takes two good line backers to stop it. One of its disadvantages, until this year, was that the boy who did not receive the ball had to be a yard back from the scrimmage line. So Gregory had to station both boys at least a yard back. Now, thanks to the rule change that permits both boys to deploy under center, Gregory believes the double-quarter T will come into popular favor.

First prize for the year's best approach shot does not go to Byron Nelson or Ben Hogan. According to Coach A. W. Hyatt of Skaneateles (N. Y.) High, the blue ribbon goes to Major David A. Turner. Playing with his three sons-in-law (all coaches) on the Springfield Memorial Course, Major Turner dropped his approach on the third hole into a shovel full of loam and fertilizer, which a greens worker was spreading around.

The worker was on the edge of the green when the ball landed in his shovel. As the ball fell, the worker sprayed his fertilizer. You guessed it, the ball stopped about eight inches from the pin, and the Major holed out in par—collecting all bets!

Your golf balls will no longer go "clunk" when you sock 'em. They will now "click"—as they did in the pre-war days. That means live-rubber golf balls are back. A. G. Spalding & Bros. proudly announces the return of its famous line of golf balls as well as the equally popular Bobby Jones and Jimmy Thomson golf clubs, now available in volume. Spalding is spreading the happy news from coast to coast through advertisements in the nation's leading magazines and newspapers.

Our vote for the greatest shooting feat of all-time goes to the mark Adolph Toepperwein made in Texas in 1906. In 12 days of shooting, he missed only nine of 72,500 targets!

Compared to fight seconds, butchers are angels of mercy. The men who minister to our pro break busters are about as medically scientific as idiot elephants. That's what makes Pete Reilly so different. Pete is scientific. Among his innovations is an oxygen tank. He brings it into the ring with him and feeds the stuff to his fighters between rounds.

"I've been using it 12 years," he claims. "The air at sea level is only 20% oxygen. The rest is hydrogen, helium, nitrogen, and so on. In most fight joints, the air can't be more than 14% oxygen. By feeding my fighters pure oxygen, I give them a full minute's rest in less than 30 seconds. A fighter uses about 50 gallons in ten rounds. I have a 90-gallon tank."

What's the extra 40 gallons for? "For the manager," Mr. Reilly says solemnly.

Mr. Reilly does not scorn additional opportunities to aid his man. There was, for example, the time he had Petey Scalza fighting Mike Raffa in Pittsburgh, and Mr. Reilly's seat happened to be next to the P. A. system. More or less by accident, he switched on the power.

"Move in, Mike," a disembodied voice suddenly boomed. "Use your right, Mike. Hold your head up. Keep your feet together."

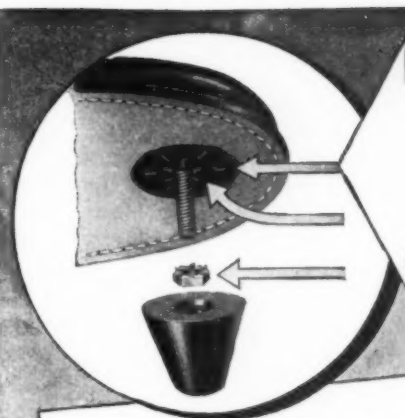
Confusion reigned. A deputy commissioner grabbed Raffa's second, assuming the coaching must be coming from Mike's corner. Mike himself was sorely baffled by all the bad advice. In the turmoil, Scalza boomed him vigorously.

Scalza floored Nick Vigil twice one night in Hollywood, then threw a low punch. Vigil fell, writhing, screaming, "Foul!" The referee hesitated. Disqualification would cost Scalza his \$1,900 purse. Mr. Reilly, the eternal scientist, leaped into the ring.

"Stand still, Petey," he commanded. He then kicked his own fighter six times in the groin. "That," he announced, "proves Vigil is faking. You can't hurt a man wearing proper protection." And just for good measure, the sensitive Mr. Reilly hauled off and fetched his "boy" five more boots. Scalza was not disqualified.

In the world of punts and passes. Stanley Woodward, sports editor of the New York *Herald Tribune*, is known as "Coach." Body-contact sports he loves. All others he merely tolerates. This is how he good-naturedly passes off basketball:

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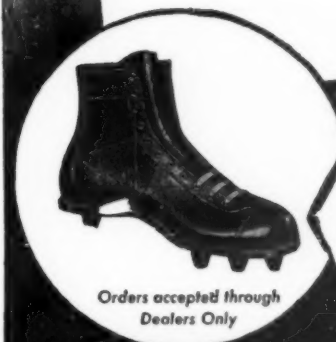
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JUNIOR TENNIS PROGRAM

THE U. S. Lawn Tennis Assn. will gladly cooperate with school coaches in developing tennis interest and raising the standards of play.

Competition is provided at tournaments in more than a hundred tennis centers. These tourneys are usually held in two age groups: one for boys and girls who have not reached their 15th birthday before January 1st in the year of competition, and the other for boys and girls under 18.

Finalists in these tournaments qualify for the USLTA championships for boys and juniors. This year the tourneys will be held beginning July

7th at Kalamazoo (Mich.) College.

Girls who qualify are eligible for the USLTA girls' championships at the Philadelphia Cricket Club beginning August 19th.

The purpose of these competitions is to encourage thousands of boys and girls of school age to play tennis.

The national committee of the USLTA supervises the Junior Development Program. This committee is composed of the accompanying members, all of whom will be happy to furnish details as to clinics, tournament centers and other vital program information.

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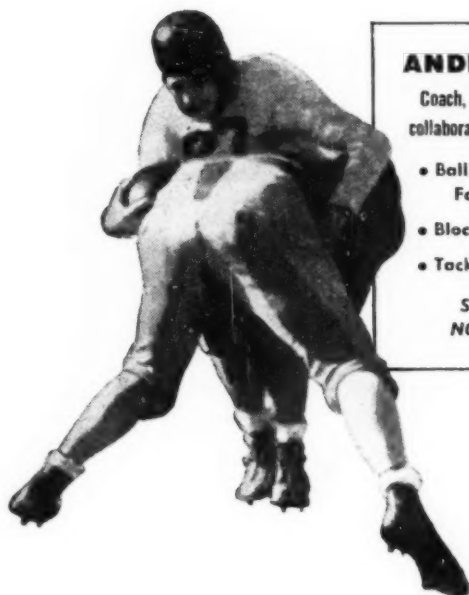
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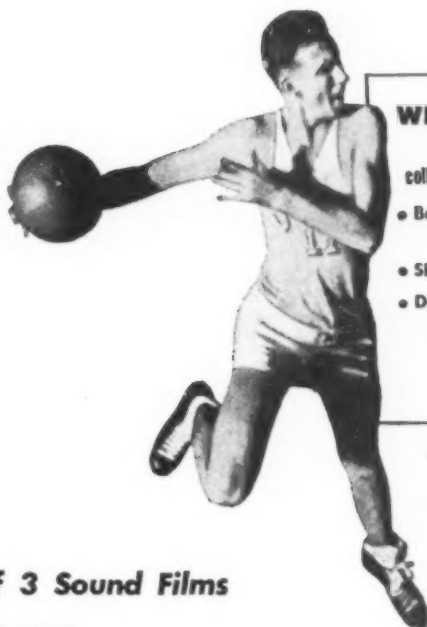


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Coaching Schools' Who's Who

Frank Leahy

"MATERIAL, coaching, blocking and tackling—not systems—win football games," Frank Leahy asserts. "A team that can win them all with the Notre Dame system can win them all with any other system, everything else being equal."

In that down-to-earth, iconoclastic assertion, you have Frank Leahy's philosophy of football coaching—and the secret of his astonishing success.

Born in 1908 in O'Neill, Nebr., Frank was raised in Winner, S. D. At Central High, he won letters for three years in football, baseball and basketball, under Coach Earl Walsh, Notre Dame monogram winner in 1920 and '21.

The Leahys then moved to Omaha, Nebr., where Frank again won three letters, captaining all three teams. A fine amateur boxer, Leahy wavered between turning pro and going to Notre Dame. An after-dinner talk by Knute Rockne and a powwow with Earl Walsh decided the issue.

He entered N.D. in 1927, was president of the freshman class and played football under the late Tommy Mills, then freshman coach, who later as head man at Georgetown gave Frank his first job.

As a soph center, Leahy got into two or three games in 1928. The following year he was shifted to tackle, where he played with the undefeated national champs.

A knee injury in 1930 kept him out all season. It was the big break of his life. He helped Rockne with the line coaching and spent as much time as possible watching Rockne and his assistants coach the ends and backs.

After receiving his B.S. in physical education in 1931, Leahy moved to Georgetown as line coach. His line made such an impression on Jim Crowley in the Michigan State game, that Sleepy Jim hired him in 1932.

When Crowley moved to Fordham in 1933, Leahy went with him—to produce the famous Seven Blocks of Granite, the line which kept Fordham from defeat on all but two occasions in 1935-6-7.



The big chance for Leahy came in 1939 when he was signed as head man at Boston College. How well he did with the Eagles is known to all. Twenty games, nineteen victories.

When Elmer Layden resigned his Notre Dame post in 1941, Leahy's dream came true. He became athletic director and head football coach at N.D. (1941). That season the Irish won eight and tied one, and Leahy was picked coach of the year.

The following year, he won seven, lost two and tied two. The 1943 season lasted 60 seconds too long. Following nine straight victories, the Irish were beaten by a hope pass in the last minute of their last game by Great Lakes.

That was the end of Leahy's coaching career for the duration. His five-year record: 44 victories, five losses and three ties.

In his lectures at the Utah State and Ohio H. S. coaching schools, Frank Leahy will delve into: *Why We Changed to the T, Advantages of the T, Center and Quarterback Play, T Offense, Defense versus T.*

Bo McMillin

ONE of the most colorful and best-liked coaches in the business, Bo McMillin has catapulted the Hoosiers into the Big Ten and national football spotlight.

Climax of his 12-year tenure at Indiana and his 24th in coaching, came last season when he piloted the Hoosiers through an unbeaten 10-game season. Bo's '45 team, led by such stars as George Taliaferro and Pete Pihos, was the first undefeated team in the school's 46-year grid history and the first to win the Big Ten crown.

Indiana's arrival as a Big Ten power is a fitting memorial to the white-haired, genial, hard-working coach. The Hoosier's grid stock had sunk to an all-time low when Bo appeared on the scene in 1934.

The convincing manner in which he pumped life into the Indiana "corpse" is told in the records. In his 12 years at Indiana, he has won more



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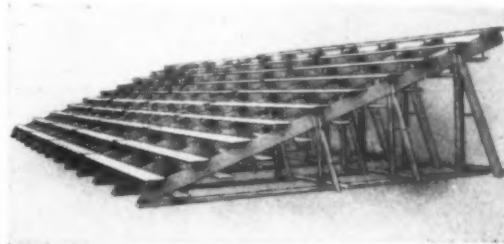
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Big Ten games (28) than the Hoosiers had been able to win in the 34 years before his arrival (27). Bo's coaching record at Indiana now stands at 52 wins, 42 losses and 10 ties.

McMillin won all-America honors at Centre College, where he quarterbacked the famed "Prayin' Colonels," which won national acclaim by beating Harvard's grid colossus, 6-0, on Bo's 35-yard touchdown run. Bo prepped at Fort Worth, Texas, where he played football all through grade and high school.

After a season of pro football, McMillin launched his coaching career at Centenary College. After three years at Centenary, he moved on to Geneva College. His record at these two schools shows 49 victories, one tie and only 8 losses.

After three seasons at Geneva, he went to Kansas State, where he remained for six years before the tocsin rang at Indiana. Bo's 24-year coaching record stands at 133 victories, 71 defeats and 12 ties.

He led the College All-Stars to a 26-18 win over the Washington Redskins in 1938 and has served on the All-Star coaching staff on three different occasions. Last season he was chosen Coach of the Year by the nation's coaches and Man of the Year by the grid writers.

Bo's 12 years at Indiana make him the dean of Western Conference coaches from point of service at one school.

At the Iowa High School and Kent State U. coaching schools, Bo McMillin will hold forth on Indiana's "cock-eyed T," meeting shifting defenses, pass patterns, defense against the T, and fundamentals.

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"The Baron" or "The Man in the Brown Suit" is a native of Halstead, Kan., where he captained his high school basketball team. After graduating from the U. of Kansas in 1923—he played under Phog Allen—Rupp coached for one year at Marshalltown, Iowa, High, then at Freeport, Ill., for

(Concluded on page 44)



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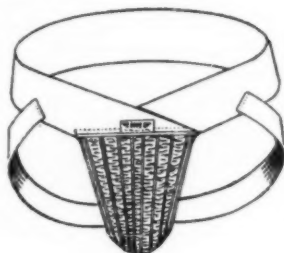
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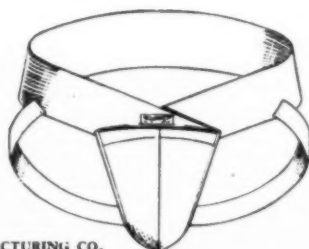
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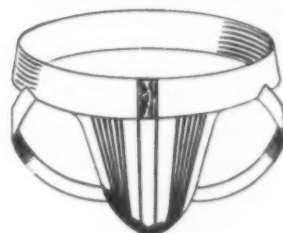
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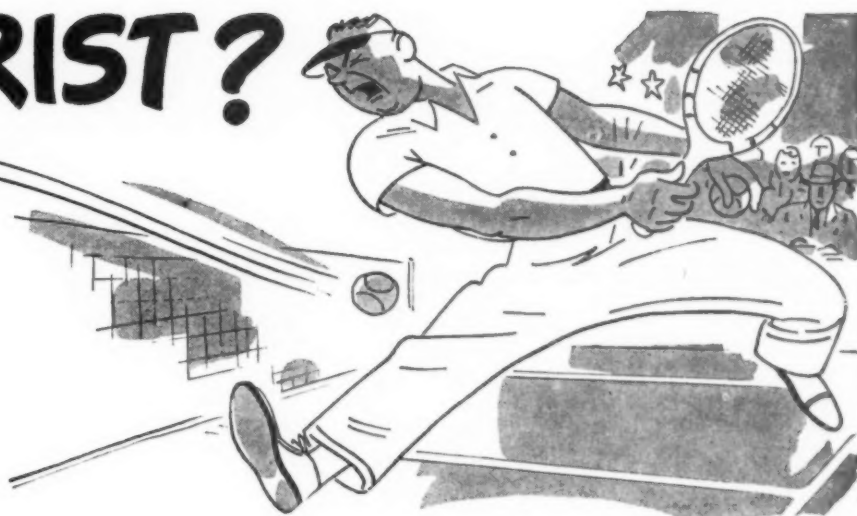
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Coaching Schools' Who's Who

(Continued from page 40)

four years. His Freeport clubs won 72 games and lost only nine.

In 1930, he was drafted by the U. of Kentucky, and there he remains—as secure as the foundation.

In recognition of his great organizational and technical ability, the War Department last August picked Rupp to head the basketball division in its all-inclusive athletic program overseas. Rupp was commissioned a full colonel and sent to Europe.

Adolph Rupp will discuss the entire Kentucky offense at Holy Cross; the Kentucky offense and defense at Texas State; the fast break and guard play at the Indiana Basketball School; and all phases of basketball at the U. of Kentucky.

Clarence Munn

ONE of the greatest guards in the history of football, Clarence (Biggie) Munn, Syracuse's new head man, is now rapidly earning a niche for himself among the coaching elite.

After a brilliant career as a three-letter schoolboy star in Minneapolis, Biggie went on to become one of Minnesota's all-time greats in football and track. He played both guard and fullback for the Gophers, was twice named to the All-Conference eleven and in 1931 made all the all-America teams.

In track, he held the Big Ten and Penn Relay shot-put records for a number of years, breaking a Penn Relay mark that had stood for 27 years.

Following graduation in 1932, he passed up pro football offers to learn the coaching business. He worked three years with Bernie Bierman at Minnesota while doubling as acting head track coach. He then moved on to Albright College as head football coach and athletic director. After two years, he joined Ossie Solem at Syracuse as line coach.

The following year (1938), he moved to Michigan where, under Fritz Crisler, he helped produce those fine Wolverine elevens. At Michigan, the past eight years, he developed such all-America linemen as Al Wistert, Merv Pergulman, Ralph Heikkinen, and Julius Franks. All in all, in 14 seasons as assistant or head coach, Munn's teams won 91, lost 21 and tied 8.

An active Boy Scout worker and former president of the Ann Arbor Rotary Club, Munn's principal hobby is color photography, a subject on which he has made a number of shorts.



Clarence Munn will occupy a seat on the football faculty of the New York H. S. Coaching School, where he will cover offensive and defensive line play (T and single wing).

Frank Thomas

PROUD possessor of the best coaching record in the land (won 100, lost 20 and tied 7 in the past 15 years), Alabama's Frank Thomas chalked up another phenomenal mark last season. By handing U.S.C. its first Rose Bowl defeat in nine outings, he became the first coach to complete the "grand slam" of post-season classics.

In 1942, his Crimson Tide licked Texas A. & M. in the Cotton Bowl, 29-21; in 1943, the Tide steamrolled Boston College in the Orange Bowl, 37-21; in 1945, after a year of inactivity, Alabama resumed football with a 4-F freshman club that battled Duke off its feet for 59 minutes of the Sugar Bowl game before succumbing, 29-26.

Last season's Tide, led by the sensational Harry Gilmer, set a new Alabama scoring mark of 396 points in nine regular-season games, after which they went West and did terrible things to U.S.C. in the Rose Bowl, winning 34-0. This was Thomas' third hegira to the California classic.

A native of Muncie, Ind., the Alabama coach was all-state quarterback at East Chicago High. He later starred at Western State Normal College, then entered Notre Dame in 1919.

After three years of quarterbacking for Knute Rockne, Frank received his law degree in 1923 and promptly signed up as backfield coach at the University of Georgia, where he introduced the Notre Dame system to the South.

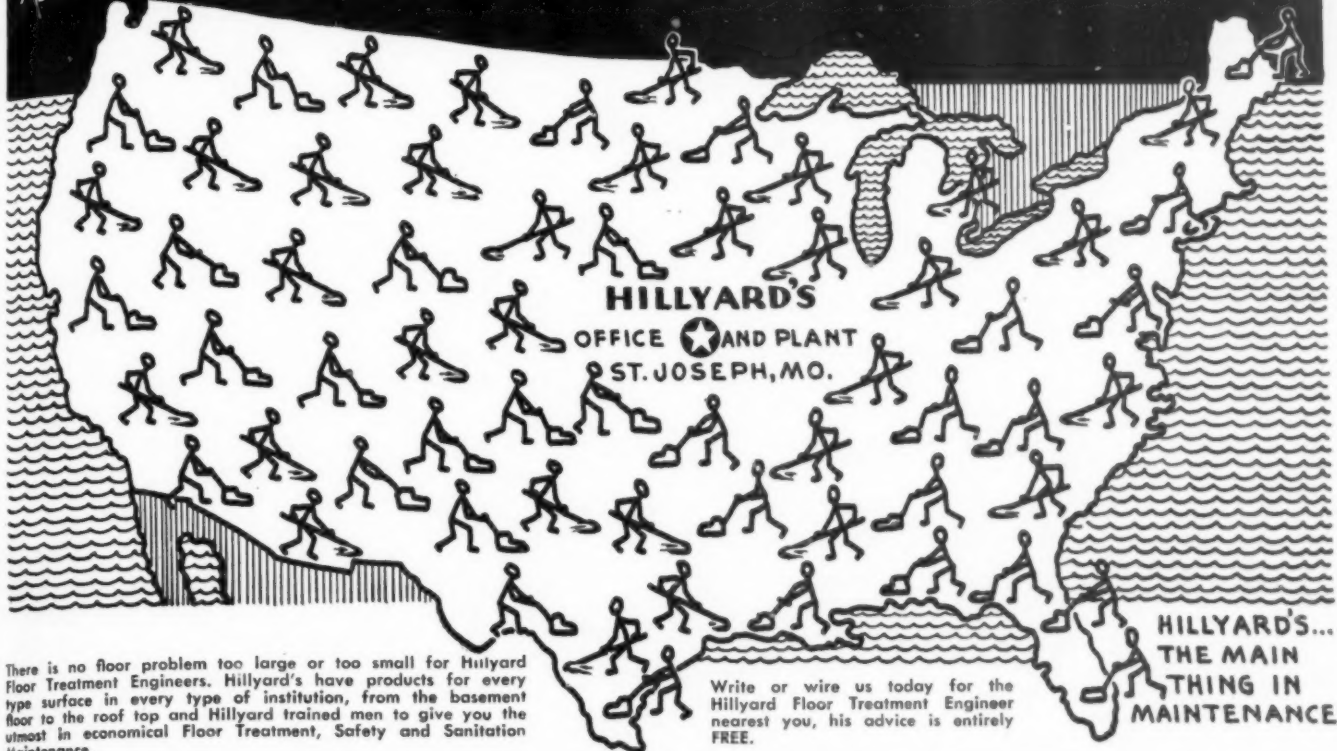
After two seasons at Georgia, Thomas signed as head coach at the University of Chattanooga. In his four years at the Tennessee school, Thomas captured the S.I.A.A. championship three times. He returned to Georgia as backfield coach in 1929, and remained there until he succeeded Wallace Wade at Alabama in 1931.

Since W. A. Alexander, veteran Georgia Tech mentor, retired in 1944, Thomas has been the dean of Southeastern Conference coaches in point of service.

Frank Thomas will cover the Notre Dame system, offensive and defensive, and the passing and kicking game, at four coaching schools: Georgia Athletic Coaches Assn., Bethany College, University of Alabama, and University of Kentucky.



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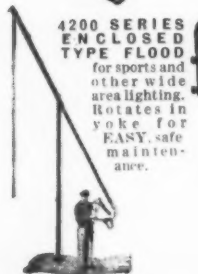
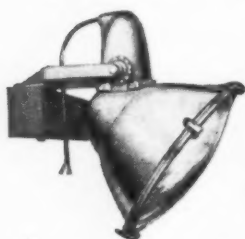
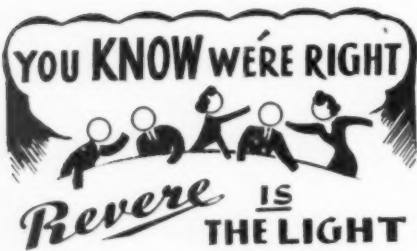
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BETHANY COLLEGE—Bethany, W. Va. Aug. 12-16. John Knight, director. Courses: Football. Staff: Frank Thomas, Lynn Waldorf. Tuition: \$15. (See adv. on page 34.)

COLORADO H. S. COACHES ASSN.—Denver, Colo. Aug. 20-23. N. C. Morris, director. Courses: Football, Basketball, Track, Wrestling. Staff: Julius Wagner, Harold White, Ray French, Joe Davies, Fritz Brennecke, Marcus Covert, Howard Lynch, Frank Lindley. (See adv. on page 40.)

COLORADO ST. COLLEGE—Greeley, Colo. June 24-Aug. 16. John Hancock, director. Courses: Football, Basketball, Baseball, Track, Wrestling, Boxing. Staff: John Hancock, Pete Butler.

EDINBORO COACHING SCHOOL—Edinboro, Pa. Aug. 7-11. James F. Hyde, director. Courses: Football, Athletic Administration. Staff: Lynn Waldorf, Burt Ingwersen, Stu Holcomb, Ted Payseur. Tuition: \$20, including room and board.

FREMONT COACHING SCHOOL—Fremont, Mich. Aug. 26-28. L. J. Gotschall, director. Courses: Basketball, Football. Staff: Herbert Read, Bennie Van Alostine, Charles Cummings, Bill Kelley, Bunny Levitt, Forrest England. Tuition: \$6.50 (basketball), \$4 (football).

GEORGIA ATHLETIC COACHES ASSN.—Atlanta, Ga. Dwight Keith, director. Courses: Football, Basketball, Training. Staff: Frank Thomas, Rex Enright, Vernon Smith, Dixie Howell, Wilbur Hutsell, others. Tuition: \$10.

HOLY CROSS—Worcester, Mass. June 24-28. Ox DaGrosa, director. Courses: Football, Baseball, Basketball. Staff: Ed McKeever, Ox DaGrosa, Steve Owen, Adolph Rupp, Frank Keaney, Jack Barry, Doggie Julian, Hop Riopel. Tuition: \$25. (See adv. on page 62 of May issue.)

ILLINOIS H. S. COACHES ASSN.—Champaign, Ill. Aug. 21-24. N. A. Ziebell, director. Courses: Football, Basketball, Baseball, Track, Physical Education. Staff: Matty Bell, Ray Eliot, Burt Ingwersen, Doug Mills, Ray Meyers, Harold Olson, Wallie Roettger, Leo Johnson, Ray Duncan. Tuition: \$5, members; \$10, non-members. (See adv. on page 40.)

INDIANA BASKETBALL SCHOOL—Logansport, Ind. Aug. 22-24. Cliff Wells, director. Staff: Adolph Rupp, Loren Ellis, Bunny Levitt, E. N. Case. Tuition: \$10.

IOWA H. S. ATHLETIC ASSN.—Spirit Lake, Ia. Aug. 19-23. Lyle T. Quinn, director. Courses: Basketball, Football, Baseball, Track. Staff: Hank Iba, Everett Dean, Bo McMillin, others. Tuition: \$15 (including

board and room); 50% more for out-of-state coaches. (See adv. on page 62 of May issue.)

ITHACA COLLEGE BASKETBALL SCHOOL—Ithaca, N. Y. Aug. 19-24. Doc Yavits, director. Clair Bee, head instructor.

KANSAS COACHING ASSN.—Wichita, Kan. Aug. 19-26. E. A. Thomas, director. Courses: Football, Basketball, Baseball, Track, Six-Man Football, Training. Staff: To be selected. Tuition: \$10.

LOUISIANA FOOTBALL COACHES ASSN.—New Orleans, La. G. G. Brown, director. Courses: Football, Basketball, Track, Training. Staff: Fritz Crisler, Henry Frnka, others. Tuition: Free for state coaches, small charge for others.

NEBRASKA H. S. ACTIVITIES ASSN.—Lincoln, Neb. Aug. 13-16. O. L. Webb and A. J. Lewandowski, directors. Courses: Football, Basketball, Baseball, Track. Staff: Bernie Masterson, others.

NEW YORK H. S. ATHLETIC ASSN.—Hempstead, N. Y. Aug. 26-31. Philip J. Hammes, director. Courses: Football, Basketball, Six-Man Football, Baseball, Track, Training. Staff: Howie Odell, Clarence Munn, John DaGrosa, Doug Mills, Lew Andreas, Frank McCormick, Otto Vogel, Herb Dieterich, George Eastment. (See adv. on page 40.)

OHIO H. S. COACHES ASSN.—Toledo, O. Aug. 9-16. Jack Mollenkopf, director. Courses: Football. Staff: Frank Leahy, Ed Krause, Bernie Crimmins, Paul Bixler, Carroll Widdoes, Ernie Godfrey, Esko Sarkkinen. Tuition: \$0.00. (See adv. on page 62 of May issue.)

OKLAHOMA ST. COACHES ASSN.—Oklahoma City, Okla. Aug. 19-23. Leo Higbie, director. Courses: Football. Staff: Ed McKeever, Fritz Crisler. Tuition: \$10.

PENN ST. COLLEGE—State College, Pa. Inter-Session, June 10-20; Main Session, July 1-Aug. 10; Post-Sessions, Aug. 12-31 and Sept. 3-21. Courses: All Sports, Health and Physical Education, Recreation. Staff: College Faculty.

RHODE ISLAND H. S. FOOTBALL COACHES ASSN.—May 29-June 2. Anthony Pariseau, director. Courses: Football, Basketball, Baseball, Track, Training. Staff: George Munger, Howie Odell, Herb Kopf, Ox DaGrosa, Ed McKeever, Clair Bee, Frank Keaney, Doggie Julian, Ted Williams, Leo Novak, Fred Tootell, George Eastment, Ivan Fuqua, John McKinnon, others.

TEXAS H. S. COACHES ASSN.—Corpus Christi, Tex. Aug. 5-9. Bobby Cannon and Bill Carmichael, directors. Courses: Football, Basketball, Track, Training. Staff: Dana X. Bible, Ray Eliot, Adolph Rupp, Frank Kimbrough, others. Tuition: \$10, members; \$15, non-members.

UNIVERSITY OF ALABAMA—Tuscaloosa, Ala. Aug. 22-24. Frank W. Thomas, director. Courses: Football. Staff: Alabama

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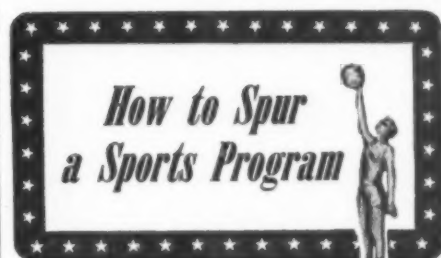
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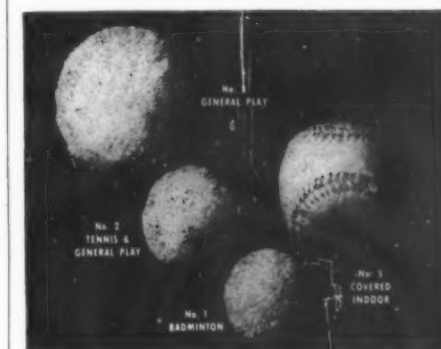
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Aug. 28-31. Bernie A. Shively, director.
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Rupp, Paul Bryant, Frank Thomas, others.
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Minn. June 17-July 27. L. F. Keller, direc-
tor. Courses: Football, Basketball, Track,
Physical Education. Staff: Bernie Bierman,
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director. Courses: Football, Basketball.
Staff: Frank Leahy, Hank Iba. Tuition: \$10.**WASHINGTON ST. COLLEGE**—Pullman,
Wash. June 10-July 5. J. Fred Bohler, di-
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lay still. The crowd rose in anxiety.
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injured player. Creighton lay curled
up, his eyes wide open. He winked at
Leahy. "Coach," he said, "don't you
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(See special listing under Shoes)

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(See special listing under Shoes)

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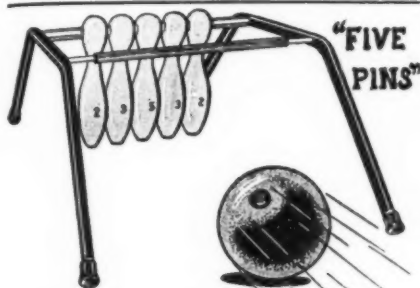
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Griswold & Nissen (Trampolines)
Kaye Sportwair (recreational games)



BOWLING \$6.50 with 2 balls

The greatest activity game for extra or regular play periods.

KAYE SPORTWAIR COMPANY
KINGSTON, N. Y.

Bradley M. Layburn Co.
MacGregor-Goldsmith, Inc.
Fred Medart Mfg. Co.
J. E. Porter Corp.
Rawlings Mfg. Co.
Recreation Equipment Co.
Sells Aerial Tennis Co. (darts, feather-balls)



Aerial—
Tennis—Dart
& Feather-Ball

Sells Aerial Tennis
207 Westport Rd.
Kansas City 2, Mo.

W. J. Voit Rubber Co. (volleyballs, soccers)

RIFLERY
Rifles

Marlin Firearms Co., Inc.
O. F. Mossberg & Sons
Petersen & Co. (shooting mats)
Remington Arms Co.

Marlin
RIFLES • SHOTGUNS
Famous for accuracy & dependability since 1870
THE MARLIN FIREARMS COMPANY
NEW HAVEN, CONN.

Savage Arms Co.
J. Stevens Arms Co.
Western Cartridge Co. (ammunition, rifles)
Winchester Repeating Arms Co. (ammunition, rifles)

SHOES

Complete Equipment

(Baseball, basketball, football, gym, track, tennis)

Brooks Shoe Mfg. Co.
Cullum & Boren Co.
MacGregor-Goldsmith, Inc.
John T. Riddell, Inc.
Wilson Sporting Goods Co.

Baseball

Brooks Shoe Mfg. Co.
Hyde Athletic Shoe Co.
E. O. Meacham Co.
Rawlings Mfg. Co.
A. G. Spalding & Bros.
United States Rubber Co. (softball)

Basketball

Beacon Falls Rubber Co.



TOP NOTCH BASKETBALL SHOES

CANVAS SHOES
for ALL PURPOSES

BEACON FALLS RUBBER FOOTWEAR
BEACON FALLS, CONN.

Brooks Shoe Mfg. Co.
Converse Rubber Co.

CONVERSE
All Star
BASKETBALL SHOES

America's No. 1 Basketball
Footwear

CONVERSE RUBBER CO.
MALDEN 48 MASSACHUSETTS

B. F. Goodrich Co.
Hood Rubber Co.
Hyde Athletic Shoe Co.
Mishawaka Rubber & Woolen Mfg. Co.
Rawlings Mfg. Co.
A. G. Spalding & Bros.
United States Rubber Co.

B.F. Goodrich

Canvas NON-MARKING Rubber Soled
ATHLETIC SHOES

Basketball, Gym, Tennis, Badminton
WITH "P. F." WATERTOWN, MASS.

Bowling

Converse Rubber Co.
Hyde Athletic Shoe Co.
A. G. Spalding & Bros.

Football

Brooks Shoe Mfg. Co.
Converse Rubber Co.
Hyde Athletic Shoe Co.
Rawlings Mfg. Co.
A. G. Spalding & Bros.
Sure-Stap Cleat Co. (cleats)

Six-Man Football

Beacon Falls Rubber Co.
Brooks Shoe Mfg. Co.
Converse Rubber Co.
MacGregor-Goldsmith, Inc.
United States Rubber Co.

Gym

Beacon Falls Rubber Co.
Brooks Shoe Mfg. Co.
Converse Rubber Co.
B. F. Goodrich Co.
Hood Rubber Co.



ATHLETIC SHOES

- BASKETBALL
- TENNIS
- GYM
- BADMINTON

Canvas, NON-MARKING Rubber Soles
WATERTOWN, MASS. WITH "P. F."

Mishawaka Rubber & Woolen Mfg. Co.
A. G. Spalding & Bros.
United States Rubber Co.

Tennis

Beacon Falls Rubber Co.
Brooks Shoe Mfg. Co.
Converse Rubber Co.
B. F. Goodrich Co.
Hood Rubber Co.
Mishawaka Rubber & Woolen Mfg. Co.
A. G. Spalding & Bros.
United States Rubber Co.

Track

Brooks Shoe Mfg. Co.
Converse Rubber Co.
Rawlings Mfg. Co.
A. G. Spalding & Bros.
United States Rubber Co.

SWEATERS AND JERSEYS

Champion Knitwear Co.

JERSEYS FOR ALL SPORTS—
Sweat Shirts—T Shirts—Shorts

Champacraft process lettering

CHAMPION KNITWEAR CO., Inc.
ROCHESTER NEW YORK

Cullum & Boren Co.
Hand Knit Hosiery Co.

Harmol Mfg. Co.
King Sportswear Co.
MacGregor-Goldsmith, Inc.
O'Shea Knitting Mills
Rawlings Mfg. Co.
Roper Knitting Co.
Sand Knitting Mills Co.
A. G. Spalding & Bros.
Trojan Athletic Wear Co.
Wilson Sporting Goods Co.

SOCKS

The Adler Co.
Beacon Falls Rubber Co.
Champion Knitwear Co.
Hand Knit Hosiery Co.

FIRST CHOICE for
EVERY SPORT



**Wigwam
Socks**

HAND KNIT HOSIERY CO., SHEBOYGAN, WIS.

Harmol Mfg. Co.
King Sportswear Co.
MacGregor-Goldsmith, Inc.
Nelson Knitting Mills
United States Rubber Co.
Wilson Sporting Goods Co.

SOFTBALLS

J. H. Grady Mfg. Co.
Hanna Mfg. Co. (Bats)

BATRITE
BASEBALL AND SOFTBALL
BATS
THE HANNA MANUFACTURING CO.
ATHENS, GA.

Lannom Mfg. Co.
Oregon Worsted Co. (indoor)
A. G. Spalding & Bros.
Sporting Goods, Inc.

SPORTING GOODS, INC.
88 Birnie Avenue, Springfield 7, Mass.
Manufacturers of
**TOP QUALITY SOFTBALLS AND
BASEBALLS**
SINCE 1938

W. J. Voit Rubber Co.

SWIMMING

Bathing Suits and Swim Suits
American Wire Form Co. (wrist bands,
checks, wire baskets)
Champion Knitwear Co.
Harmol Mfg. Co.
MacGregor-Goldsmith, Inc.
George McArthur & Sons (robes)

Ocean Pool Supply Co., Inc.

SWIM SUITS TRUNKS
ACCESSORIES
TEAMS EQUIPPED
Ask for Catalog
OCEAN POOL SUPPLY CO.
71 W. 35 St. New York 1, N. Y.

O'Shea Knitting Mills
Seamless Rubber Co. (caps)
United States Rubber Co.

Diving Stands

Everwear Mfg. Co.
General Playground Equipment, Inc.
Bradley M. Layburn Co.
Fred Medart Mfg. Co. (also pool ladders)
J. E. Porter Corp.
Recreation Equipment Co.
Wayne Iron Works (grandstands)

Nose Clips

Health-O-Swim Nose Clip Co.

Water Chlorinators

Everson Mfg. Co.
The Hillyard Co. (tile seals, bleaches)
Pennsylvania Salt Mfg. Co.

Pool Vacuum Cleaners

American Playground Device Co.

AMERICAN APPROVED EQUIPMENT

World's Foremost Exclusive Man-
ufacturers of the Finest Play-
ground, Swimming Pool and
Physical Fitness Apparatus.

Write for Complete Literature, Today
American Playground Device Co.
Anderson, Indiana

General Playground Equipment, Inc.
Recreation Equipment Co.
Standard Pool Cleaner Co.

TUEC

Vacuum Cleaners for Swimming Pools
Write for complete information on how to
keep your pool clean without draining.

THE STANDARD POOL CLEANER CO.
1320 GREENFIELD AVE. S.W. CANTON, O.

TENNIS

Complete Equipment

Cragin-Simplex Co. (rackets)
E. I. DuPont De Nemours Co. (nylon racket
strings)
General Sportcraft Co.
E. P. Juneman Corp. (strings)
Ken-Wel Sporting Goods Co., Inc.
MacGregor-Goldsmith, Inc. (balls, nets,
shoes)
J. E. Porter Corp. (posts, nets, reels,
markers)
A. G. Spalding & Bros.
United Clay Mines Corp. (markers)
Wilson Sporting Goods Co.

SCHOLASTIC COACH

Backstops

Continental Steel Corp.
Recreation Equipment Co.
Stewart Iron Works
Wayne Iron Works

Balls

Dunlop Tire & Rubber Co.
Pennsylvania Rubber Co.
Rawlings Mfg. Co.
A. G. Spalding & Bros.
W. J. Voit Rubber Co.

Dust Settlers

Gulf Refining Co.
Pittsburgh Plate Glass Co.
Solvay Sales Corp.

Nets

The American Net & Twine Div. of
The Linen Thread Co., Inc.

GOLD MEDAL NETS for Tennis

Famous Champion, Dreadnought and Tour-
nament, Double Center models available.
Latest improvements. Long wearing and
extra durable.

The AMERICAN NET and TWINE DIVISION
of
The LINEN THREAD CO., Inc.
60 East 42 Street New York 17, N. Y.

American Playground Device Co.
Everwear Mfg. Co.
Fred Medart Mfg. Co. (standards)
Rawlings Mfg. Co.
Recreation Equipment Co. (all metal)
A. G. Spalding & Bros.

TIMERS

(Stop Watches)

Clebar Watch Co.

Available Again!

Accurate, Dependable

STOP WATCHES

Timers for all sports and laboratory needs.
Made by one of the finest watch makers.

Order Direct from manufacturer
For illustrations and description, write to

CLEBAR WATCH CO., Inc.
551 FIFTH AVE., NEW YORK 17, N. Y.

M. Ducommun Co.
Pratt & Morris



**ARISTO
STOP WATCHES**

for

**FOOTBALL
BASKETBALL
TRACK**

ORDER DIRECT
FROM

PRATT & MORRIS, Distributors
27 CLEVELAND ST. BERGENFIELD, N. J.

Jules Racine & Co.
Rawlings Mfg. Co.

SKF Supply Co.

STOP WATCHESFor All Sports—Educational Use
Special School Prices

Inquiries Invited and Promptly Handled

SKF SUPPLY COMPANY
P.O. BOX 186—STATEN ISLAND 1, N. Y.A. G. Spalding & Bros.
Viking Mercantile Corp.**VIKING**A name which means accurate
and dependable timers and
stop watches for all sports.

Write for additional information

**VIKING
MERCANTILE CORP.**

22 W. 48th STREET, NEW YORK 19, N. Y.

Wilson Sporting Goods Co.

Stop Watch RepairsMacGregor-Goldsmith, Inc.
Jules Racine & Co.
SKF Supply Co.**TRACK AND FIELD****Complete Equipment**(Hurdles, vaulting poles, javelins, shots,
shoes, etc.)Champion Knitwear Co.
John T. Core (score cards)**FIVE STAR TRACK SCORE CARDS**

★ ★ ★ ★ ★

FIVE STAR is an equalized method for grading the
individual, from 1 to 100 points, in the 100, 800,
Shot, High and Broad Jumps.FEATURES . . . Individual achievement record . . .
squad and team competition . . . early trials and post
season field day . . . uncovers latent ability . . . real
incentive for fall track program . . . splendid moti-
vation for spring and fall physical education classes.
Instructions and Summary Sheets with each 100 card
order. Postpaid. 10% Discount allowed for payment
with order.100 Cards @ \$4.00 per 100
500 @ \$3.50 per 100
1000 @ \$3.25 per 100**JOHN T. CORE**

1224-C W. Broad St., Richmond 20, Virginia

MacGregor-Goldsmith, Inc.
J. E. Porter Corp.
Rawlings Mfg. Co.
Wilson Sporting Goods Co.**Vaulting Poles**Cullum & Boren Co.
Fred Medart Mfg. Co.**Shoes**

(See special listing under Shoes)

TRAINING ROOM SUPPLIES**Complete Equipment**Athletic Trainers Supply Co.
Rawlings Mfg. Co.
A. G. Spalding & Bros.
Wilson Sporting Goods Co.1919 **ATSCO** 1946

Pioneer in the field of

TRAINING SUPPLIESIf you need something in haste, wire
ATSCO. The most effective braces for
"trick" knee and "slunk" shoulder—
all sizes in stock.

Write for our complete catalogue

ATHLETIC TRAINERS SUPPLY COMPANY
427 BROADWAY NEW YORK 13, N. Y.**Absorbent Cotton**

Bike Web Mfg. Co.

AntisepticsConsolidated Laboratories
The Hillyard Co.
Hynson, Westcott & Dunning, Inc.
(Mercurochrome)**Athlete's Foot Preventives**Consolidated Laboratories
C. B. Dolge Co.
Fuld Bros.
Everwear Mfg. Co.
The Hillyard Co.
Huntington Laboratories, Inc.
Kopertox Laboratories
The Mennen Co.
Mer-Kil Chemical Products Co.
Pennsylvania Salt Mfg. Co.
Petrolite Co.
J. E. Porter Corp.
West Disinfecting Co.**Bandages**Becton, Dickinson & Co. (Ace Elastic)
Bike Web Mfg. Co.
Johnson & Johnson
MacGregor-Goldsmith, Inc.
J. E. Porter Corp.**MASTER COUPON**Readers of *Scholastic Coach* may use this convenient form to obtain free
literature and sample goods from *Scholastic Coach* advertisers. After
carefully checking items desired, mail this coupon directly to *Scholastic
Coach Advertising Department, 220 East 42 Street, New York 17, N. Y.***AMERICAN WIRE (52)**

- ☐
- Folder, Checking and
-
- Locker Baskets

AWARD INCENTIVES (47)

- ☐
- Catalog

A. S. BARNES (1)

- ☐
- Catalog, Sports Books

BECTON, DICKINSON (30)

- ☐
- Ace Athletic Manual

BIKE WEB (4)

- ☐
- Information on Trainers
-
- Tape

BROOKS SHOE (35)

- ☐
- Information on Safety
-
- Football Shoes

CEDAR KRAFT (50)

- ☐
- Information on Electric
-
- Scoreboards

COACHING SCHOOLS

- ☐
- Bethany College (34)
-
- ☐
- Colorado H. S. (40)
-
- ☐
- Illinois Coaches (40)
-
- ☐
- N. Y. State (40)
-
- ☐
- Wentworth (40)

COLUMBUS OFFICIALS

- ☐
- Information, Football
-
- Referee's Horn

CROUSE-HINDS (27)

- ☐
- Bulletins, Floodlighting
-
- Sports Fields

C. R. DANIELS (29)

- ☐
- Catalog on New Line of
-
- Football, Baseball, Soft-
-
- ball, Gym and Field
-
- Equipment

DENVER CHEMICAL (41)

- ☐
- Handbook, "Athletic
-
- Injuries"

M. DUCOMMUN (35)

- ☐
- Information on Stop
-
- Watches

EAGLE REGALIA (51)

- ☐
- Information on Sport
-
- Pins and Buttons, Medals,
-
- Trophies

**ENCYCLOPAEDIA BRITAN-
NICA FILMS (37)**

- ☐
- Information on Football
-
- and Basketball Films

GENERAL ELECTRIC (15)

- ☐
- Floodlighting Bulletin

GREENE CO. (43)

- ☐
- Information on Athletic
-
- Clothing, Awards

GRISWOLD & NISSEN (43)

- ☐
- Booklet, "Tips on Tram-
-
- polining"

J. M. HARTLEY (47)

- ☐
- Information on Football
-
- Score Book

HANNA MFG. (39)

- ☐
- Information on
-
- Eprite Bats

H. & R. MFG. (48)

- ☐
- Information, Dry Markers

HILLERICH & BRADSBY (43)

- ☐
- Famous Sluggers Year
-
- Book
-
- ☐
- Softball Rules Book

HILLYARD CO. (45)

- ☐
- Catalog on Floor Treat-
-
- ment and Maintenance

**HUNTINGTON LABS.
(Inside Back Cover)**

- ☐
- Seal-O-San Basketball
-
- Coaches' Digest

**KAHNFAST ATHLETIC
FABRICS (2)**

- ☐
- Addresses of Nearest
-
- Uniform Makers

BRADLEY M. LAYBURN (51)

- ☐
- Information on Gym and
-
- Playground Apparatus,
-
- Portable Bleachers

LEAVITT CORP. (2)

- ☐
- Information, Knockdown
-
- Bleachers

LINEN THREAD

(Inside Front Cover)

- ☐
- Catalog on available nets

(Numbers in parentheses denote page on which advertisement may be found)

SEE PAGE 56 FOR OTHER LISTINGS AND FORM FOR SIGNATURE

Football Officials Horn

Only referees horn made in U. S. A. manufactured of finest grade brass, all seams and joints silver soldered for permanency.

To be sure of delivery in time for fall season see your dealer now or write us direct giving name of dealer.

LANYARD,
WRIST
OR
FINGER

STYLES

The Columbus Officials Horn Co.
56 Oakland Park Ave., Columbus, Ohio

SCHOLASTIC COACH MASTER COUPON

(See page 55 for other listings)

(Numbers in parentheses denote page on which advertisement may be found)

MacGREGOR-
GOLDSMITH (23)
☐ Sports Catalog

MARBA SYSTEM (44)
☐ Information on Athletic
Equipment Reconditioning

McARTHUR & SONS (24)
☐ Postwar School Towel
Plan

E. O. MEACHAM (40)
☐ Information on Leather
Basketball Nets

FRED MEDART (19)
☐ Book, "Physical Training,
Practical Suggestions for
the Instructor"
☐ Booklet, "Physical
Fitness Apparatus"
☐ Catalog on Telescopic
Gym Seats, Steel Lockers
☐ Information, Acromat-
Trampoline
☐ Catalog on Basketball
Backstops, Scoreboards

MUTUAL LIFE (36)
☐ Aptitude Test

NADEN ELECTRIC (43)
☐ Information on Score-
boards

NATIONAL SPORTS (24)
☐ Catalogs: Bases, Mats,
Rings, Training Bags,
Wall Pads, Pad Covers

NOCONA LEATHER (31)
☐ Information

O-C MFG. CO. (41)
☐ Information on Apex
Athletic Supporter
(See ad on how to obtain
Free Supporter)

OCEAN POOL SUPPLY (44)
☐ Information on Trunks,
Klogs, Kick Boards, Nose
Clips, Caps, Swim Fins

OREGON WORSTED (47)
☐ Information on Flying
Fleece Recreation Balls

PRENTICE HALL (47)
☐ Catalog of College Phys.
Ed. Texts

PETERSEN & CO. (52)
☐ Catalog on Gym Mats,
Wrestling Mats, Boxing
Rings, Mat Covers and
Prone Shooting Mats

RAWLINGS (3)
☐ Catalog

REGALIA MFG. (46)
☐ Catalog and Price List on
Flags, Plaques, Emblems,
Award Ribbons

REVERE ELECTRIC (46)
☐ Sports Floodlighting
Bulletin

SAND KNITTING (38)
☐ Information on Athletic
Knitwear and Uniforms

SPALDING & BROS. (16)
☐ Catalog
☐ Sports Show Book

UNIVERSAL BLEACHERS (39)
☐ Information on Steel or
Wood Portable Bleachers

U. S. RUBBER
☐ Booklet, "Track and
Field," by Emil Von
Elling
How Many

VESTAL CHEMICAL (34)
☐ Booklet "How to Make
Stars"

VOIT RUBBER (21)
☐ Catalog on
Rubber Covered Athletic
Balls and Equipment
☐ Illustrated Price List

WILLIAMS IRON (33)
☐ Information on Field En-
closures and Grandstands

WILSON (6)
☐ Catalog

Y.M.C.A. MOTION PICTURE
BUREAU (25)
☐ Information, Football
Coaching Film, "West
Point Championship
Football"

NAME _____ POSITION _____
(Principal, coach, athletic director, physical director)

SCHOOL _____ ENROLLMENT _____

CITY _____ STATE _____

No coupon honored unless position is stated

June, 1946

First Aid Kits

Bike Web Mfg. Co.
The Hillyard Co.
J. E. Porter Corp.
Rawlings Mfg. Co.

Heat and Sun Lamps, Pads

Bike Web Mfg. Co.
General Electric Co. (sun lamps)
Hanovia Chemical & Mfg. Co.
J. E. Porter Corp.
Sum Products Co.

SUM RAY INFRA RED LAMPS

PENETRATING
RELIEVING
INVIGORATING

Used in Leading
Schools and Colleges
Throughout the
United States

SUM PRODUCTS COMPANY
14408 GRAND RIVER AVE. DETROIT 27

Pads and Guards

Bike Web Mfg. Co.
Matthews Abdo-Gard
O-C Manufacturing Co.
Rawlings Mfg. Co.
Smith-Waite (knee braces)

Smith-Waite Kneebracer

for all sports

Write for literature

P. O. Box 7205
Pittsburgh 13, Pa.

Poultice

Denver Chemical Co. (antiseptic dressing)

Tape, Adhesive and Medicated

Becton, Dickinson & Co.
Bike Web Mfg. Co.
Johnson & Johnson
MacGregor-Goldsmith, Inc.
Rawlings Mfg. Co.
Seamless Rubber Co.

Towels

Champion Knitwear Co.
Theodore Mayer & Co.

GYMNASIUM TOWELS

For Fall

THEODORE MAYER & COMPANY
CHICAGO 6 ILLINOIS

George McArthur & Sons

TURKISH TOWELS

SUPER-GYM . . . SUPER-TURK
Velva-Terry Bathrobes for
Swimming and Boxing

Write For Information
GEO. McARTHUR AND SONS, INC.
BARABOO-WISCONSIN

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Win more games!



CROUSE-HINDS Floodlights can help you — *three ways*



Type MUA Alupalux
Weatherproof Floodlight

- 1 **More practice time.** With a well planned Crouse-Hinds floodlighting installation on your home field your practice sessions are not limited by the setting sun. When the sun goes down the simple flick of a switch will "turn on the daylight" and you can keep right on drilling your team as long as necessary to perfect those winning touchdown plays.
- 2 **Team spirit.** Morale is the decisive factor in many a hard fought gridiron battle. The most potent morale builder for any team is to play before well filled stands of loyal home town boosters. Crowds of fans who work during the day turn out for night games — even in the early season. This builds the sort of team spirit that pays off on the day of the "big game".
- 3 **Bigger cash income.** The increased revenue from the bigger crowds that attend night games makes more cash available for any number of the things that every coach desires, such as more and better athletic equipment, and snappy uniforms of higher quality. These are the things that help to induce more of the husky boys to go out for the team and at colleges, attract more athletic talent from the high schools.

Crouse-Hinds lighting engineers will recommend the proper selection and arrangement of floodlights for any application. Send drawings and details. Bulletins covering NEMA standard plans for the lighting of baseball, football, and softball fields are available.



CROUSE-HINDS COMPANY Syracuse 1, N. Y., U.S.A.

Offices: Birmingham — Boston — Buffalo — Chicago — Cincinnati — Cleveland — Dallas — Denver — Detroit — Houston — Kansas City — Los Angeles — Milwaukee — Minneapolis — New York — Philadelphia — Pittsburgh — San Francisco — Seattle — St. Louis — Washington. Resident Sales Engineers: Albany — Atlanta — Charlotte — Indianapolis — New Orleans
CROUSE-HINDS COMPANY OF CANADA, LTD., Main Office and Plant: TORONTO, ONT.

CONDULETS · TRAFFIC SIGNALS · AIRPORT LIGHTING · FLOODLIGHTS

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